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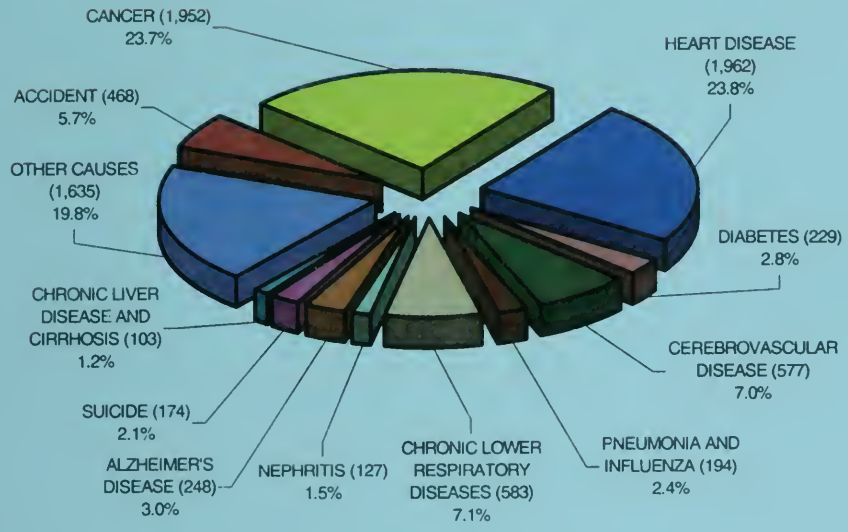

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OFFICE OF VITAL STATISTICS

"It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

The Honorable Judy Martz
Governor of Montana

Gail Gray, Ed.D.
Director
Montana Department of Public Health and Human Services

November 2002

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INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) of DPHHS, the Montana Communicable Disease Program, also of DPHHS, and the Census and Economic Information Center of the Montana Department of Commerce. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. This Report, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.state.mt.us/divisions/otd/vital/statistical_tables.htm. More detailed tabulations and analyses are available on request, as time and other resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 38 through 87. Vital statistics reference tables for 2001 appear on pages 01-1 through 01-70. Where space permits, data for one or more prior years are provided for comparison. **Tables 1, 3, 4, 21, 26, and 27** provide frequencies and statistics on selected vital events. **Table 2** shows Montana's resident population by county according to the 1990, and 2000 Censuses, as well as estimates for 2001. **Tables 5 through 8** present data on natality (births). Mortality (death) data are presented in **Tables 9 through 15**. **Tables 16 through 19** provide data on induced abortions. Marriages are covered in **Tables 20 and 22 through 25**. **Tables 28 through 30** contain summaries of the incidence of communicable diseases. **Tables 31 through 33** provide information on the incidence of cancer.

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death and transcripts of information on marriage, marital termination, and legally induced abortions. Any other source of data--such as the U.S. Bureau of the Census, the Montana Central Tumor Registry, or the Communicable Disease Program of DPHHS--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births occurring in Montana are registered electronically. The person responsible for filing death or fetal death certificates is the funeral director or other person in charge of disposition of the body. The certificate must be filed with the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting within 30 days.

The original certificates of birth, death, and fetal death, and reports of induced abortion, marriage, and divorce, are forwarded to the Office of Vital Statistics. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

OVS staff checks all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and county government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-2001)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy; medical conditions, tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; whether the infant was transferred to another hospital; and any abnormal conditions or congenital anomalies.

MORTALITY (1989-2001)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded.

FETAL MORTALITY (1989-2001)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education, of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.

- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993-2001)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993-1997)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989-2001)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records and transcripts for calendar year 2001 received before July 15, 2002. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births, the place of residence of the child is the usual state and county of residence of the mother. Place of residence, when reported for fetal deaths, is that of the mother.

Residence data for births, deaths, and fetal deaths occurring out-of-state are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table 27** are by Montana occurrence. The resident abortion statistics in **Table 27** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	(c) *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All crude rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with 0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population "estimates." This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated. Population data for census years are known as "enumerations," and refer to the resident population on April 15th of the year indicated. The Census Bureau arrives at enumerations without the use of Vital Records. Both estimates and enumerations are used to derive the population-based mortality rates.

In recent years, OVS has relied on a special series of annual Census Bureau population estimates stratified by age and sex to derive statewide fertility rates, abortion ratios, and age-specific and age-adjusted mortality rates. Because the Census Bureau has canceled release of this series for 2001, we used estimates for the year 2000 to derive the rates for 2001 displayed in **Figures 6-8, 16-43, and 59**. The statewide and county-level aggregate population estimates for 2001 (which this office uses to calculate crude rates) were not included in this cancellation, and are those population estimates displayed in **Table 2**.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it may not reflect the same definitions of racial groups from one record to the next.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This is the NCHS definition of infant or fetal race and is used so Montana statistics may be compared to U.S. regional and national statistics.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included as "Other." According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. More than 92% of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception or any time in between." "Unmarried" indicates that the mother was not married at any time during the pregnancy.

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers, less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can gage the reliability of these rates.

Similarly, percentages based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably not very useful for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table 13** or the five-year "rolling" rates displayed in **Figure 15**. However, the OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

The birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10.

The discussion and tables in this report refer to the underlying cause-of-death, grouped into named diseases and conditions. These are groupings that NCHS and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as "leading" causes of death. Corresponding ICD-9 codes are shown, as well as preliminary "comparability ratios" computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths classified in the latest version to that classified in the previous version is calculated. Such "comparability ratios" provide estimates of the change attributed to the revision alone and help distinguish "coding changes" from "real changes," (i.e. changes in the underlying forces of mortality in the population). The comparability

ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana's death experience in 2001 or that of any other particular geographic location at any other time.

For example, the comparability ratio for "nephritis, nephrotic syndrome, and nephrosis", 1.2320, indicates we can expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer's Disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of "Age-specific and age-adjusted death rates" in the Mortality section of the narrative.

Among other notable changes is the elimination of the ICD-9 category "chronic obstructive pulmonary diseases" (COPD), which has been replaced by the ICD-10 category "chronic lower respiratory diseases" (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include "extrinsic allergic alveolitis," i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes "misadventures to patients in surgical or medical care" (ICD-9: 870 - 876), "surgical and medical procedures causing reaction," (ICD-9: 878 - 879), and "drugs causing adverse effects in therapeutic use " (ICD-9: 930 - 949) from the "accidents" category and places them in a new category called "complications of medical and surgical care."

The ICD-9 category "homicide and legal intervention," which was reportable as a leading cause of death, was replaced by "assault" which no longer contains "legal intervention" (ICD-9: 970 - 978) but still contains "homicide" (ICD-9: 960 - 969).

Figures 2, 3, and 4 show ICD-10 code ranges for cause-of-death categories displayed in **Tables 9, 10, and 12,** respectively. **Table 9** lists up to 358 causes of death commonly listed by NCHS. **Table 10** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table 12** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death.

Figure 1

CLASSIFICATION CODES (ICD-10 AND ICD-9) FOR UNDERLYING CAUSES OF DEATH

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 – N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating in the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, Y85 – Y86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, Y85 - Y86	E800 - E807, E826 -E929	1.1134
Intentional Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.
N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
I Certain infectious and parasitic diseases	**A00-B99**
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiases	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiases	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	**C00-D48**
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	**D50-D89**
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	**E00-E88**
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	**F01-F99**
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	**G00-G98**
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 **VII Diseases of the eye and adnexa**	**H00-H57**
155 **VIII Diseases of the ear and mastoid process**	**H60-H93**
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-113
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	**J00-J98**
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	**K00-K92**
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	**L00-L98**
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connectivetissue	**M00-M99**
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	**N00-N98**
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	**O00-O99**
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	**P00-P96**
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	**Q00-Q99**
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	**R00-R99**
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	**V01-Y89**
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34,V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99,Y85
Falls	W00-W19
312 Fall on same level	W00-W09,W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Chronic lower respiratory diseases	J40-J47
70 Bronchitis, chronic and unspecified	J40-J42
71 Emphysema	J43
72 Asthma	J45-J46
73 Other chronic lower respiratory diseases	J44, J47
74# Pneumoconioses and chemical effects	J60-J66, J68
75# Pneumonitis due to solids and liquids	J69
76 Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77# Peptic ulcer	K25-K28
78# Diseases of appendix	K35-K38
79# Hernia	K40-K46
# Chronic liver disease and cirrhosis	K70, K73-K74
80 Alcoholic liver disease	K70
81 Other chronic liver disease and cirrhosis	K73-K74
82# Cholelithiasis and other disorders of gallbladder	K80-K82
# Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83 Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
84 Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85 Renal failure	N17-N19
86 Other disorders of kidney	N25, N27
87# Infections of kidney	N10-N12, N13 6, N15,1
88# Hyperplasia of prostate	N40
89# Inflammatory diseases of female pelvic organs	N70-N76
# Pregnancy, childbirth and the puerperium	O00-O99
90 Pregnancy with abortive outcome	O00-O07
91 Other complications of pregnancy, childbirth and the puerperium	O10-O99
92# Certain conditions originating in the perinatal period	P00-P96
93# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95 All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
96 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Oher and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83 2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor to adjust for the composition of the population. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month and day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$Age\text{-}adjusted\ death\ rate = \sum_{i=1}^{11} S_i w_i$$

where S_i = *the age - specific death rate for the* i^{th} *age group*

where w_i = *the weight of the* i^{th} *age group in the standard population*

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used: 0 years of age, I – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ deaths\ within\ the\ age\ group}{Midyear\ population\ of\ the\ age\ group} \times 1{,}000$$

APGAR SCORE - an evaluation of a newborn infant's physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} \times 1{,}000$$

COUNTY - as used in table titles, either an incorporated county or that part of Yellowstone National Park which is located in Montana. For example, a tabulation of deaths "by county of occurrence" would show deaths in the Montana portion of Yellowstone National Park as "county" occurrences.

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} \times 1{,}000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15-44} \times 1{,}000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after complete birth-that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Fetal\ mortality\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE RATE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a legal, medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ mortality\ rate = \frac{Number\ of\ infant\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH - a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$Maternal\ mortality\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births} \times 100{,}000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two "middle" values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Out-of-wedlock\ birth\ ratio = \frac{Number\ of\ live\ out-of-wedlock\ births}{Number\ of\ livebirths} x\ 1{,}000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to further describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand persons in that population. It is calculated as follows:

$$Perinatal\ mortality\ rate = \frac{Number\ of\ fetal\ deaths + neonatal\ deaths}{Number\ of\ fetal\ deaths + live\ births} x\ 1{,}000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how "spread out" a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$Standard\ deviation = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$$

where μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

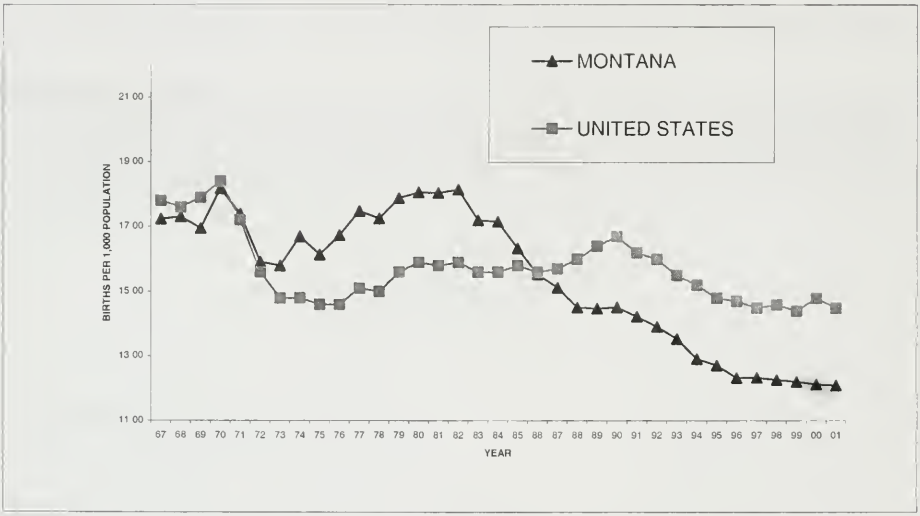
NATALITY

There were 10,947 babies born to Montana residents in 2001. **Table 1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

The long-term decline in Montana's birth rate since 1982 continues. **Figure 5** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 5

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1967-2001



While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-80's, and has been the lower of the two since. Preliminary national estimates for 2001 showed Montana's birth rate to be among the lowest in the nation and, except for North Dakota's rate, the lowest for any state west of the Mississippi river. The Montana birth rate for 2001, 12.1 per thousand population, is the lowest ever recorded for the state.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is more useful than the birth rate for many analytic purposes because it is specific with regards to sex and age of the "at-risk" population. Montana's fertility rate for the last decade, also among the lowest in the nation, is shown in **Figure 6** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 6

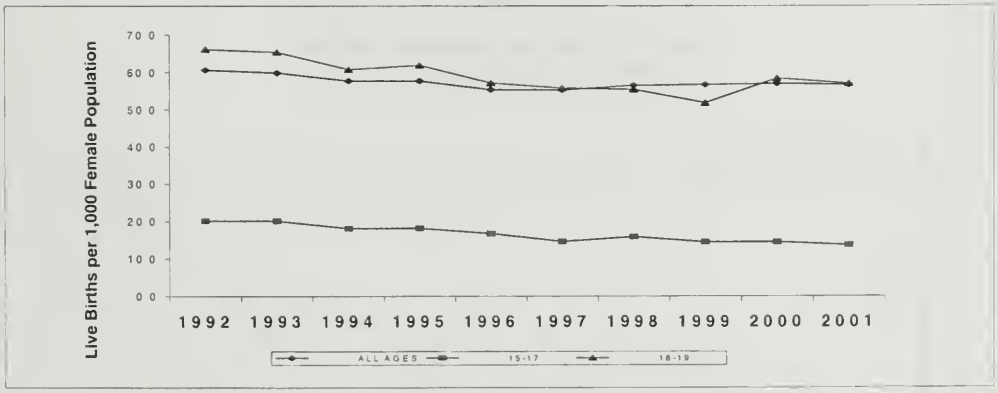
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1992-2001*

* Detailed population estimates for 2001 are unavailable. The rate for 2001 is based on population estimates for 2000.

The rate of fertility among various racial groups can be quite different, as is illustrated in **Figures 7 and 8** on this and the next page. In 2001, the fertility rate for Montana's white mothers of any age was 56.7. The rate for white mothers between 15 and 17 was 13.7, and the rate for white mothers between the ages of 18 and 19 was 57.0. Fertility rates for Native Americans were substantially higher in all age groups—104.5, 66.6, and 194.7, respectively.

Figure 7

FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1992-2001*

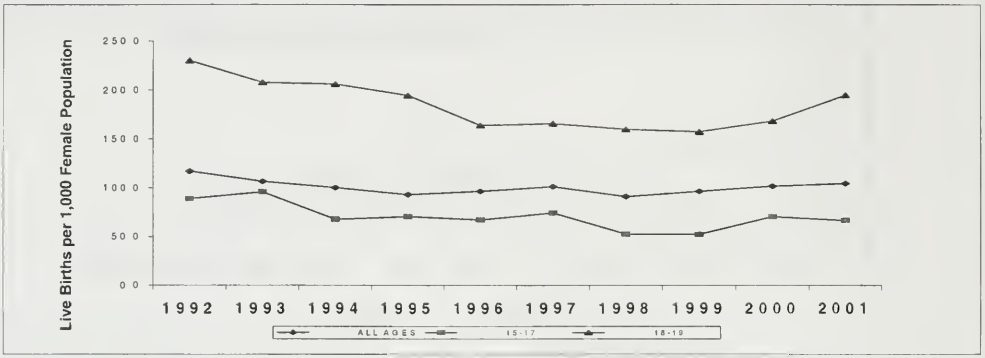


* Beginning in the year 2000, the Census records the number of persons of multiple races. Therefore, the enumeration of whites may be an undercount and the white fertility rate a slight overestimate. Detailed population estimates for 2001 are unavailable. The rate for 2001 is based on population estimates for 2000.

It is also notable that the rate of change in fertility rates can be quite different for different races. During the past decade, fertility rates for white mothers in the three age groups mentioned declined by 0.07 percent, 0.22 percent, and 0.19 percent. Those for Native American mothers declined at 0.13 percent, 0.12 percent, and 0.24 percent, respectively.

Figure 8

FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1992-2001*



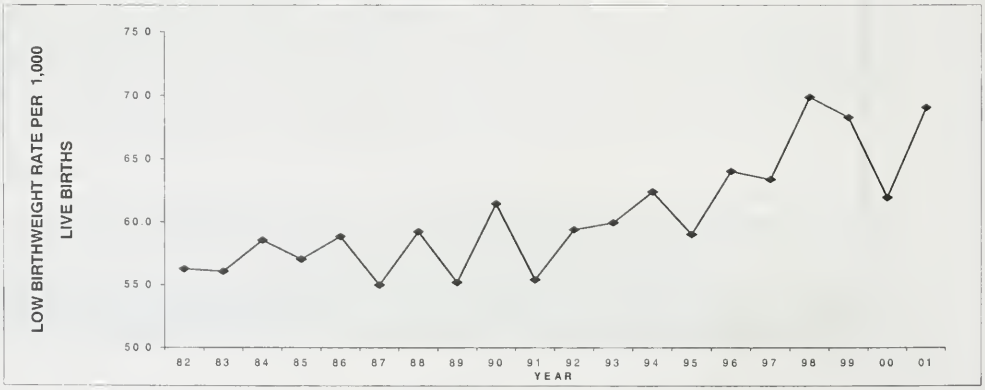
* Beginning in the year 2000, the Census records the number of persons of multiple races. Therefore, the enumeration of Native Americans may be an undercount and the Native American fertility rate a slight overestimate. Detailed population estimates for 2001 are unavailable. The rate for 2001 is based on population estimates for 2000.

LOW BIRTHWEIGHT

Table 7 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 9**, below, shows an increasing rate of low birthweight babies born to Montanans. The rate was 56.3 in 1982 and 69.1 in 2001. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this does not seem to be the case for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 15** show.

Figure 9

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1982-2001



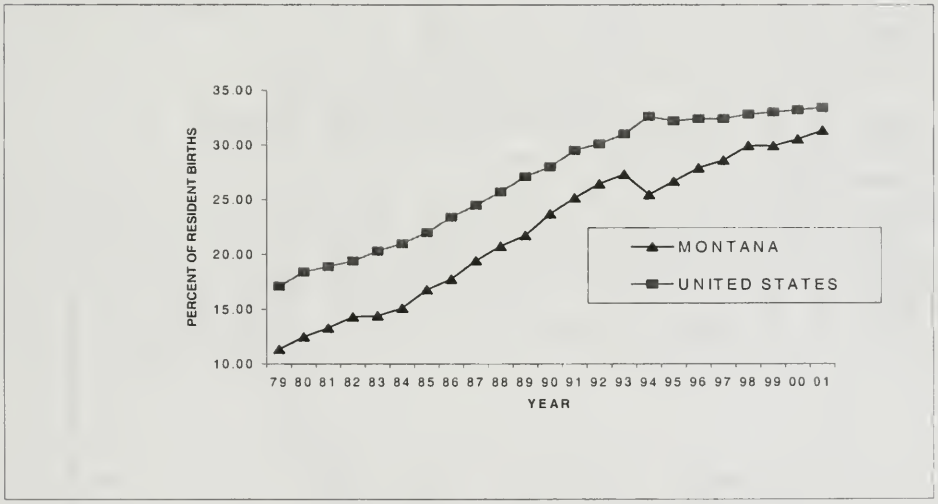
MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2001 were predominantly married white women between the ages of 20 and 35 years. **Table 27** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table 4** shows the frequency of births by race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Table 5 shows the frequency and percent distribution of resident births to unmarried women for the years 1997 through 2001. **Table 26** shows the frequency of birth by marital status of the mother for each of Montana's counties. **Table 27** shows the frequency of birth (and the other reported pregnancy outcomes) by age group of the mother and her county of residence. **Figure 10**, below, shows the trend in those births for Montana and the United States since 1979. Births to unmarried women represented 12.5% of Montana's resident births in 1980, 23.7% in 1990, 30.5% in 2000, and 31.3% in 2001.

Figure 10

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1979 – 2001



By comparison, unmarried women in the U.S. accounted for 18.4% of the resident births in 1980, 28.0% in 1990, 33.2% in 2000, and 33.4 in 2001 (preliminary).

METHOD OF DELIVERY

More than four-fifths of the infants delivered in Montana in the years 1991 through 2000 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 11** shows, the likelihood of a vaginal delivery decreases somewhat with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 11

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1992-2001

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATE
ALL METHODS	Number	109,308	136	4,312	8,775	29,747	30,432	23,153	10,664	2,085	99	5
	Percent	100	100	100	100	100	100	100	100	100	100	100
VAGINAL	Number	84,314	117	3,738	7,370	23,967	23,380	16,797	7,496	1,375	71	3
	Percent	77.1	86.0	86.7	84.0	80.6	76.8	72.9	70.3	65.9	71.7	60.0
VAGINAL AFTER C-SECTION	Number	3,519	-	6	85	706	1,089	1,036	503	92	2	-
	Percent	3.2	0.0	0.1	1.0	2.4	3.6	4.5	4.7	4.4	2.0	0.0
PRIMARY C-SECTION	Number	13,096	19	549	1,145	3,477	3,446	2,757	1,347	338	18	-
	Percent	12.0	14.0	12.7	13.0	11.7	11.3	12.0	12.6	16.2	18.2	0.0
REPEAT C-SECTION	Number	8,321	-	17	172	1,589	2,503	2,444	1,312	276	8	-
	Percent	7.6	0.0	0.4	2.0	5.3.0	8.2	10.6	12.3	13.2	8.1	0.0
NOT STATED	Number	58	-	2	3	8	14	19	6	4	-	2
	Percent	0.1	0.0	0.0	0.0	0.0	0 0	0.1	0.1	0.2	0.0	40.0

MORTALITY

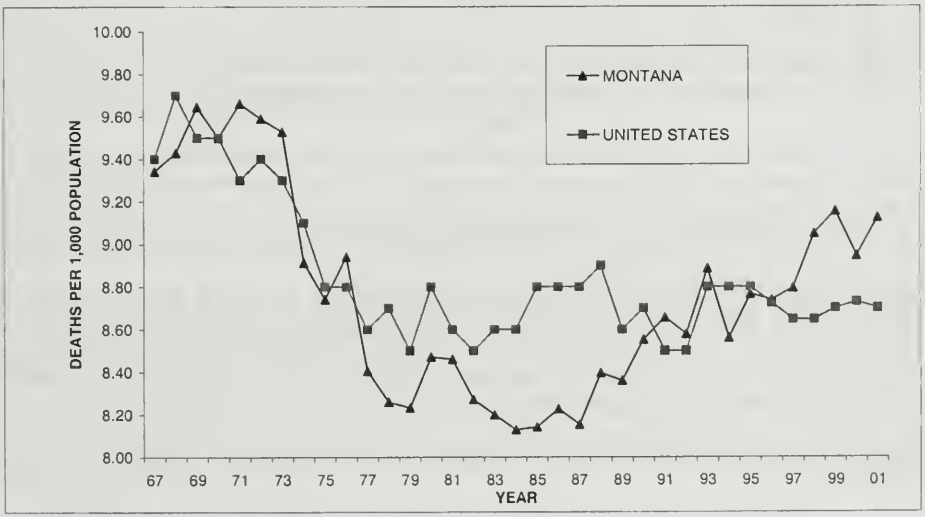
Montana's crude annual resident mortality rate in 2001 was 9.1 per 1,000 estimated midyear population. There were 8,252 Montana residents that died in that year, with their median age being 79 years. Of these people, 4,218 (51.1%) were males and 4,033 (48.9%) were females with one individual with no gender assigned in 2001. There were 7,839 white decedents (95.0%) and 385 Native Americans (4.7%).

In comparison, Montana's population was almost evenly divided between males (49.7%) and females (50.2%). According to the U.S. Census Bureau, 90.6% of Montana's resident population in 2000 was white and 6.2% was Native American, according to the 2000 Census.

Figure 12 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1967 through 2001. Montana's annual rate follows the national trend fairly closely throughout this period. However, there were slight deviations, particularly in the 1980s. Montana's rate displayed no consistent trend from 1967 to 1973, averaging about 9.5 deaths per 1,000 population. It dropped precipitously beginning in the early 1970s, and, for the most part, has been rising since the mid-1980s. The increase of Montana's rate from 8.9 in 2000 to 9.1 in 2001 reflects an increase of 2.2% in the number of deaths and an increase of 0.25% in the resident population.

Figure 12

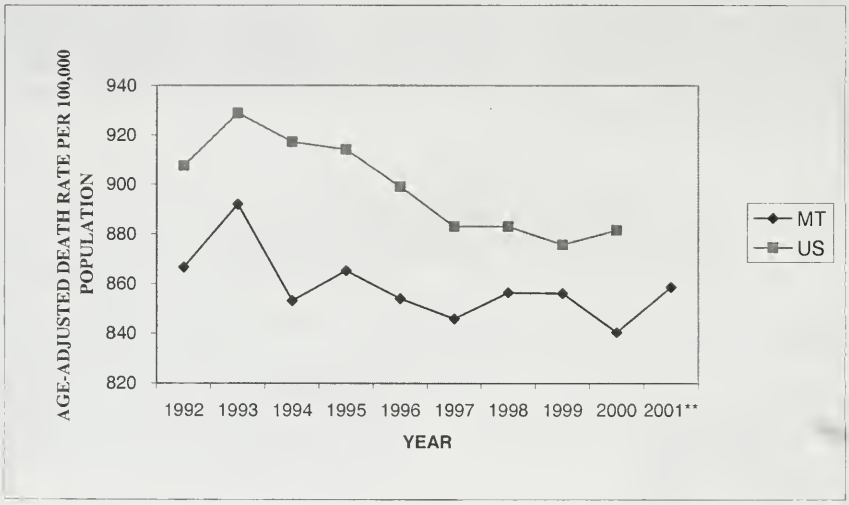
RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1967 - 2001



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 13

AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1992- 2001**



* Adjusted with the direct method to the year projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available. The Montana rate for 2001 is based on population estimates for 2000.

Figure 13 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been declining. It is also notable that the age-adjusted rate for Montana has consistently been lower than the U.S. rate, averaging about 95.3% of the national rate.

Figure 14 summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1992 to 2001.

Figure 14

AGE AT DEATH IN YEARS BY SEX AND RACE CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 1992 - 2001

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PER-CENTILE	MEDIAN AGE	75TH PER-CENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	77,245	0	66.0	77.0	85.0	111	72.8	18.6
MALE	40,342	0	62.0	74.0	83.0	109	69.4	19.2
FEMALE	36,902	0	70.0	80.0	88.0	111	76.4	17.4
WHITE								
TOTAL	73,462	0	67.0	78.0	85.0	111	73.6	18.0
MALE	38,185	0	63.0	75.0	83.0	109	70.3	18.5
FEMALE	35,276	0	71.0	81.0	88.0	111	77.1	16.7
NATIVE AMERICAN								
TOTAL	3,493	0	42.0	62.0	75.0	107	56.8	23.6
MALE	2,001	0	37.0	57.0	72.0	107	53.4	23.7
FEMALE	1,492	0	49.0	66.0	78.0	104	61.5	22.7
OTHER								
TOTAL	290	0	45.0	67.0	78.0	101	59.2	26.6
MALE	156	0	40.0	64.0	76.0	93	57.2	25.3
FEMALE	134	0	49.0	69.5	82.0	101	61.6	28.0

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.

In the last decade, whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25^{th} percentile, median, and 75^{th} percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 42 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.6) compared to whites (18.0); thus, a larger proportion of Native Americans died at younger- or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 81 years, compared to 75 years for white men. The median age for Native American women was 66 years, compared to 57 years for Native American men.

Decedents of all "other" races were a much smaller proportion of the Montana total (less than 0.4%) and their age distributions were more similar to the Native American distributions than those of the White Montanans.

FETAL, INFANT, AND MATERNAL DEATHS

Table 1 shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and yearly from 1946 through 2001 for deaths of Montana residents (regardless of place of occurrence).

Figure 15

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS MONTANA RESIDENTS, 1979 - 2001

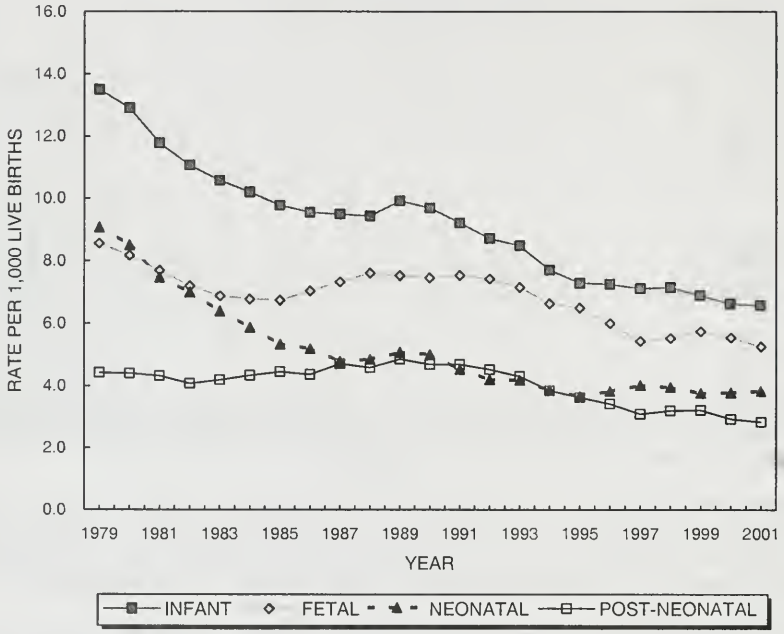


Figure 15 shows the five-year infant and fetal mortality rates for Montana residents from 1979 through 2001. There was a substantial decline in the five-year infant death rate during this 23-year period. This rate, the number of infant deaths per 1,000 live births, was more than halved during this interval. It declined from 13.5 in 1979 to 6.6 in 2001. The five-year death rate for the infants dying in the neonatal period, the first 28 days of life, was also more then halved during this period, declining from 9.1 per 1,000 live births in 1979 to 3.8 in 2001. The rate for post-neonatal infants (infants 28 days and older) declined by one-third, falling from 4.4 to 2.8 per 1,000 live births. The five-year fetal mortality ratio also declined during this period, falling by more than one-third, from 8.6 deaths per 1,000 live births in 1979 to 5.2 in 2001.

There were 43 resident fetal deaths and 73 resident infant deaths in Montana in 2001. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table 3**. **Table 4** shows fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana county of residence appear in **Table 13**.

Selected causes of death by age and by sex for Montana resident infants are shown in **Table 9** and in **Table 12**. Sudden infant death syndrome (SIDS) together with congenital malformations, deformations, and chromosomal anomalies caused nearly 36% of all infant deaths in 2001.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. Because the resident populations of Montana in different years had different age compositions, they are considered to be different populations.

In the past, the resident population of Montana (and of the nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a few years before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to "adjust" for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rate for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

Figures 16 through 43 display age-adjusted death rates for several of the leading causes of death in Montana and the United States. These rates are age-adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

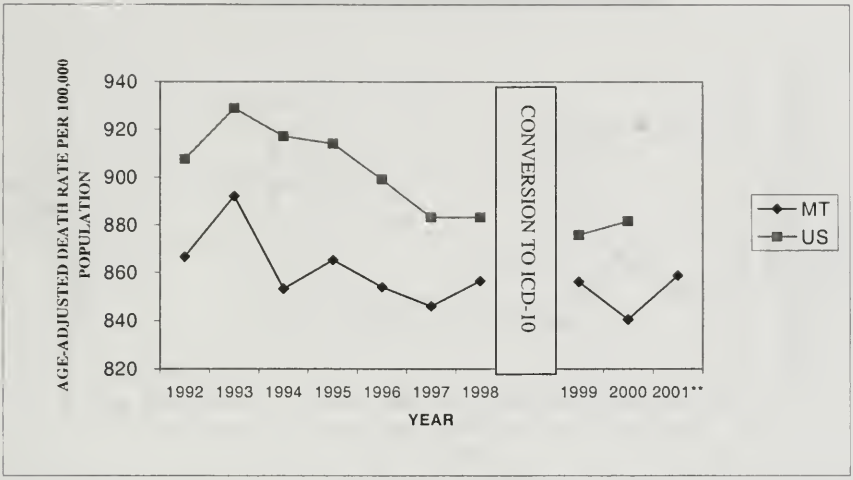
Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups.

Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying cause of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 16

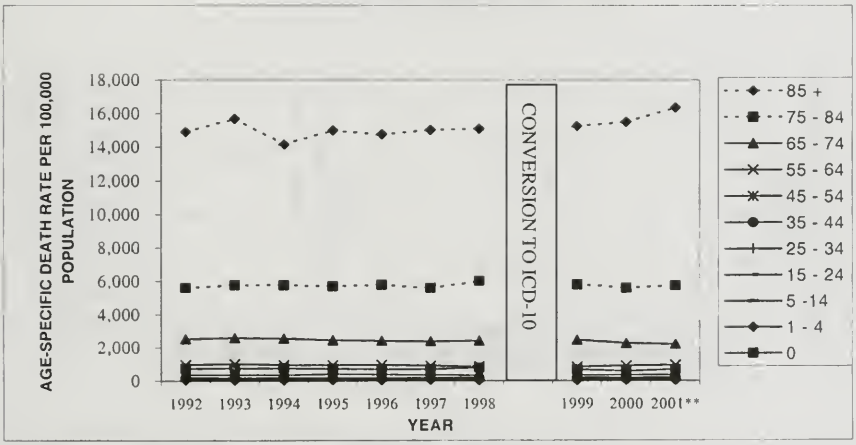
AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 17

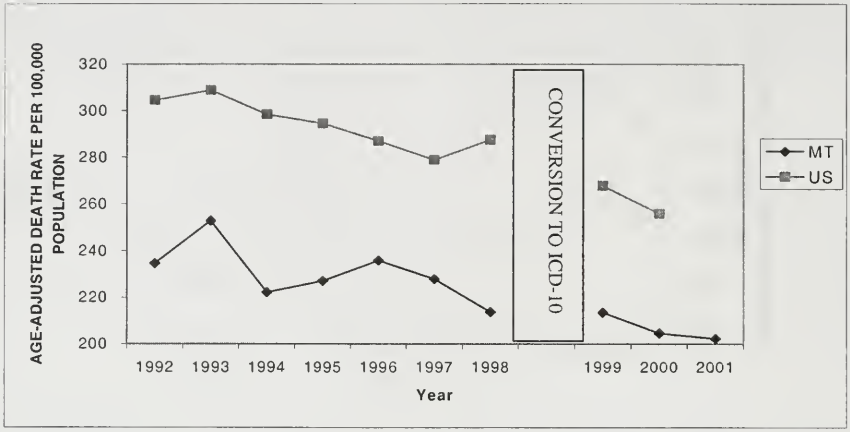
AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1992-2001



**The Montana rate for 2001 is based on population estimates for 2000.

Figure 18

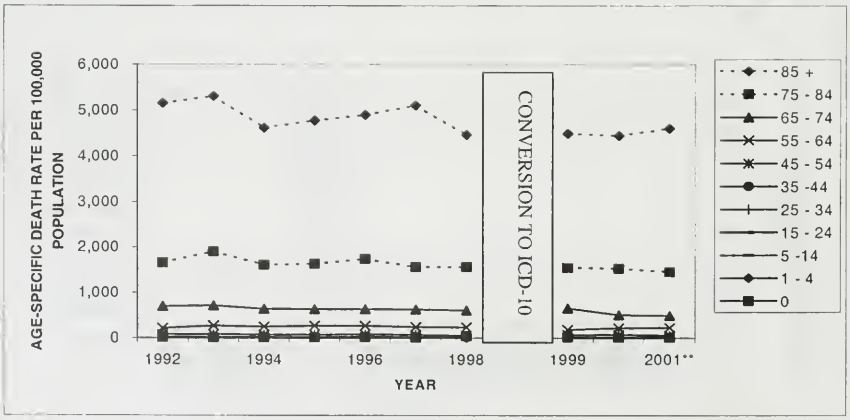
AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 19

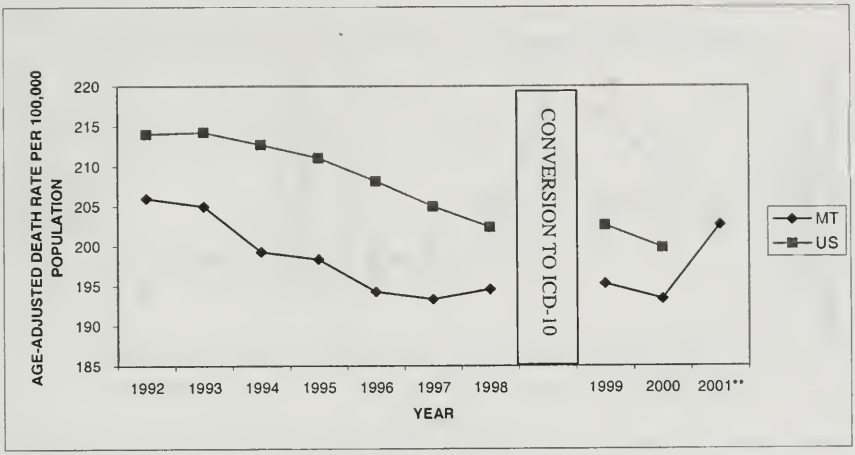
AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA RESIDENTS, 1992-2001



**The Montana rate for 2001 is based on population estimates for 2000.

Figure 20

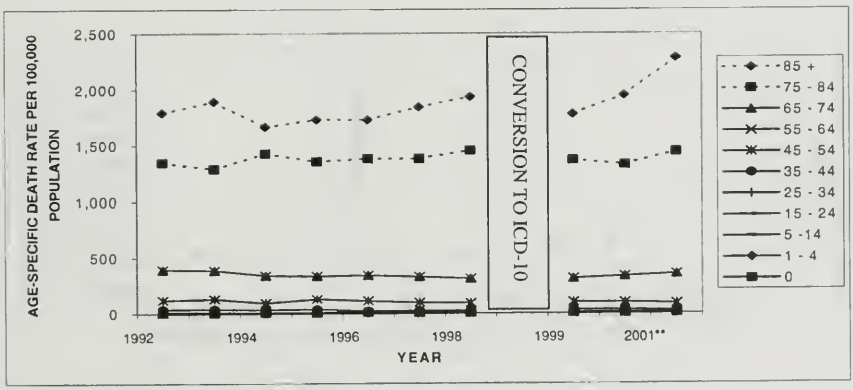
AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 21

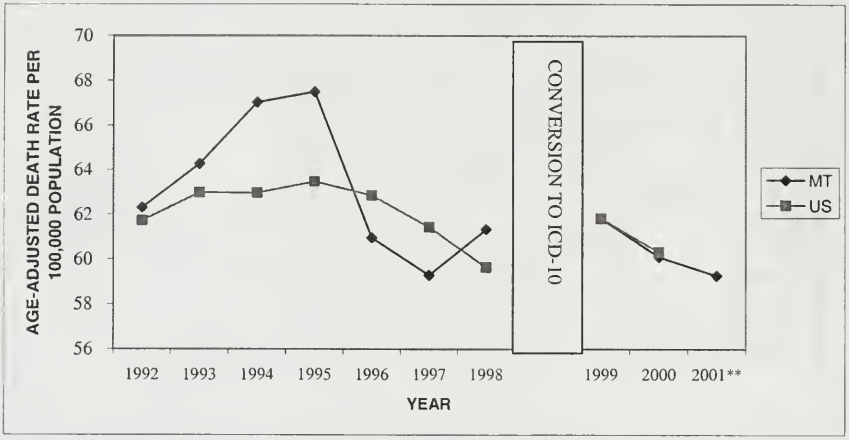
AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000.

Figure 22

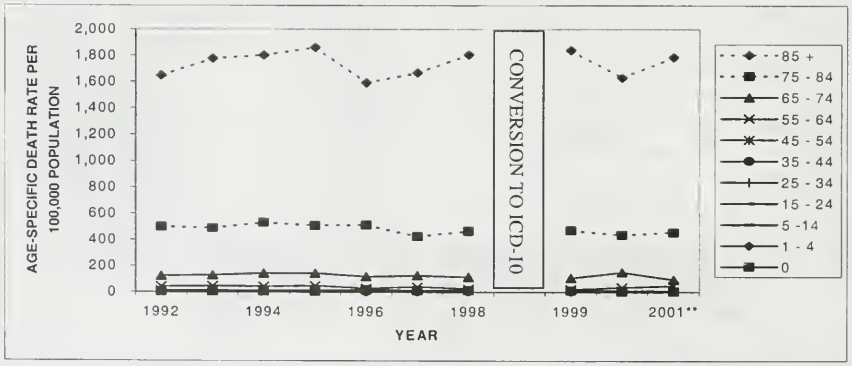
AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9: 430-438; ICD-10: I60-I69
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 23

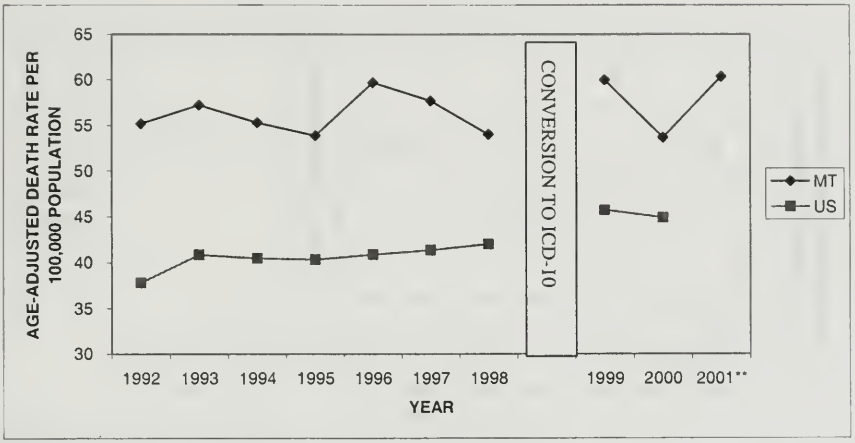
AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9: 430-438; ICD-10: I60-I69
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000.

Figure 24

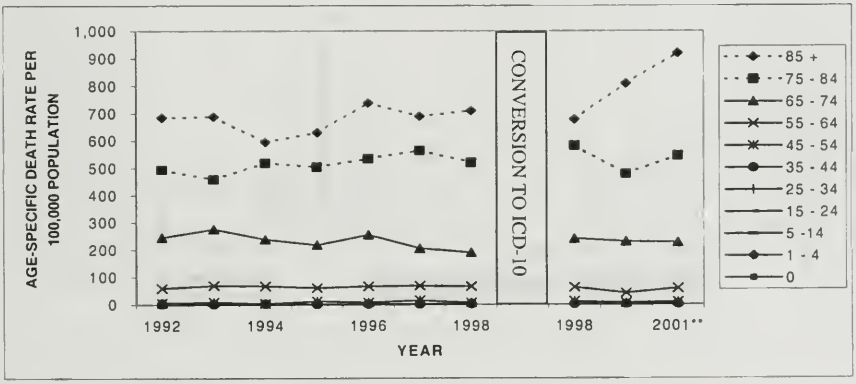
AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 25

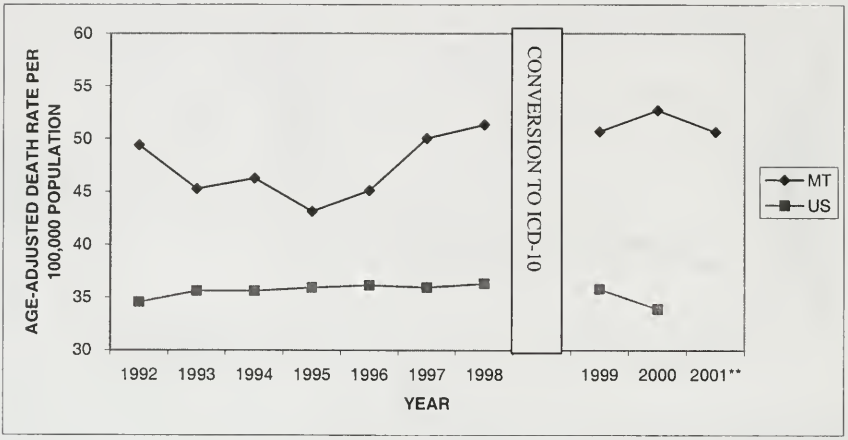
AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000.

Figure 26

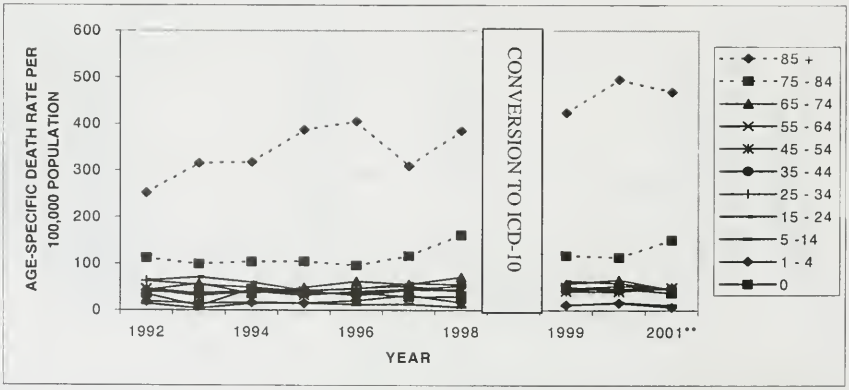
AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 27

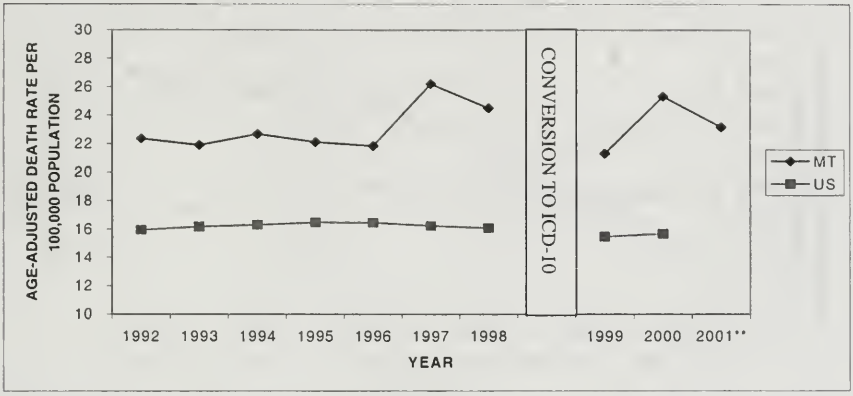
AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000.

Figure 28

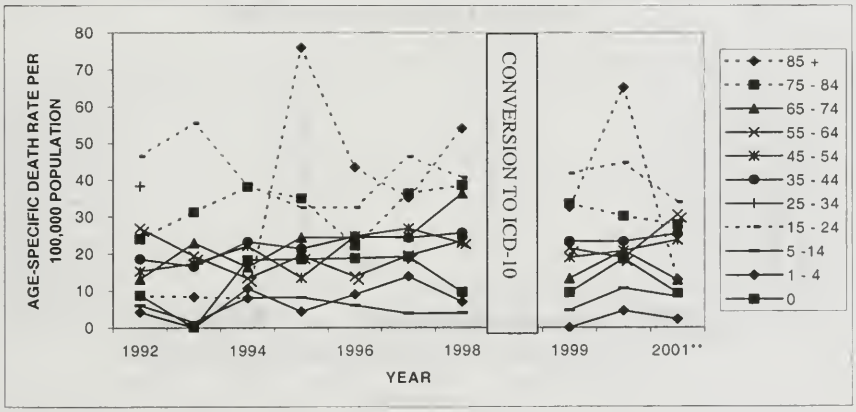
AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 29

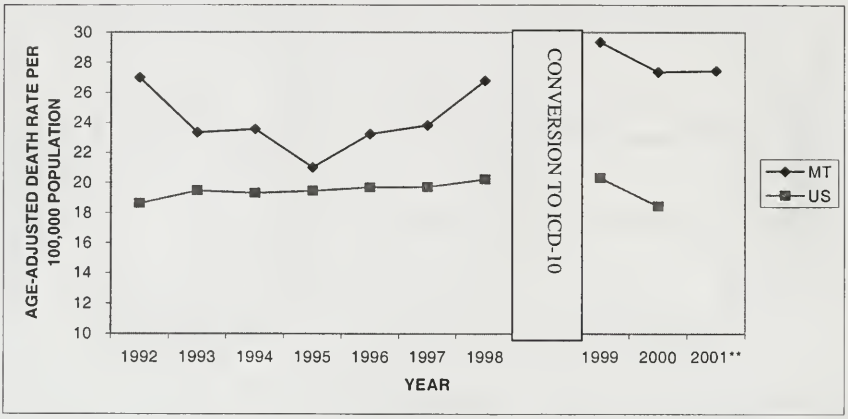
AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 30

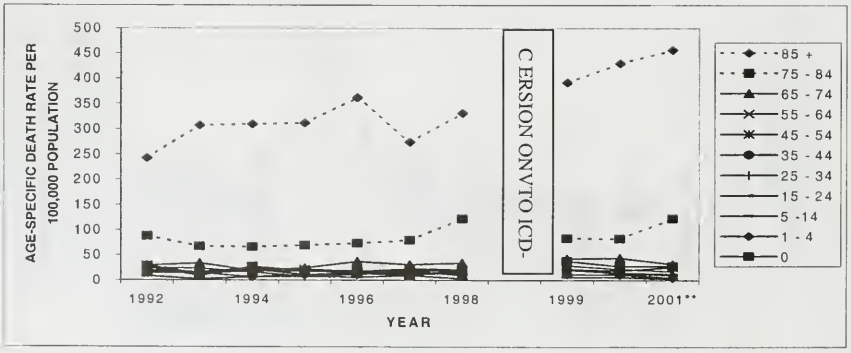
AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population
** The U.S. rate for 2001 is not yet available.

Figure 31

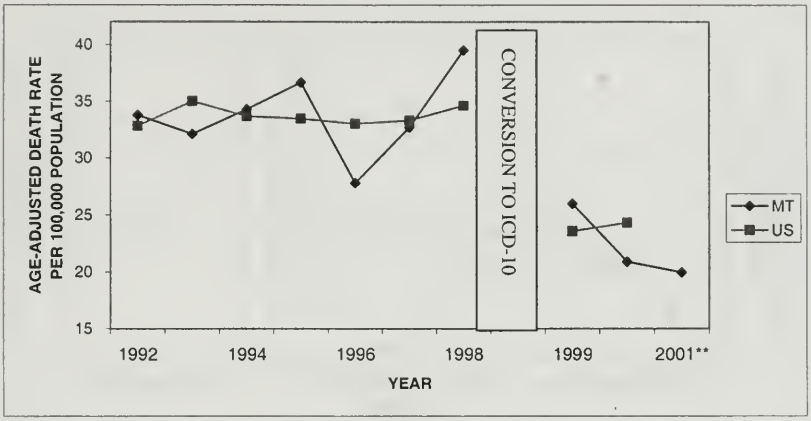
AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 32

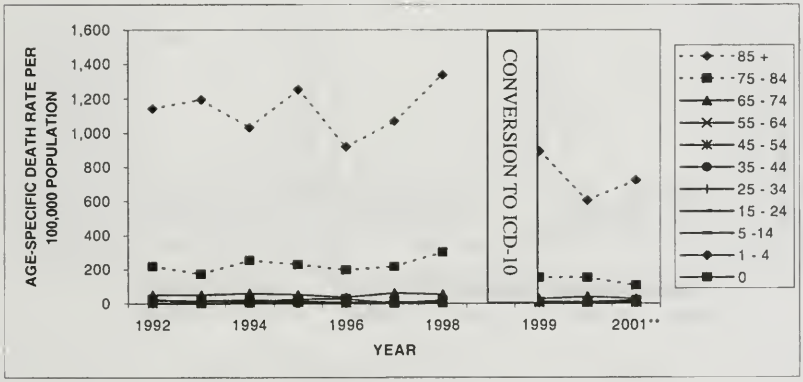
AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 33

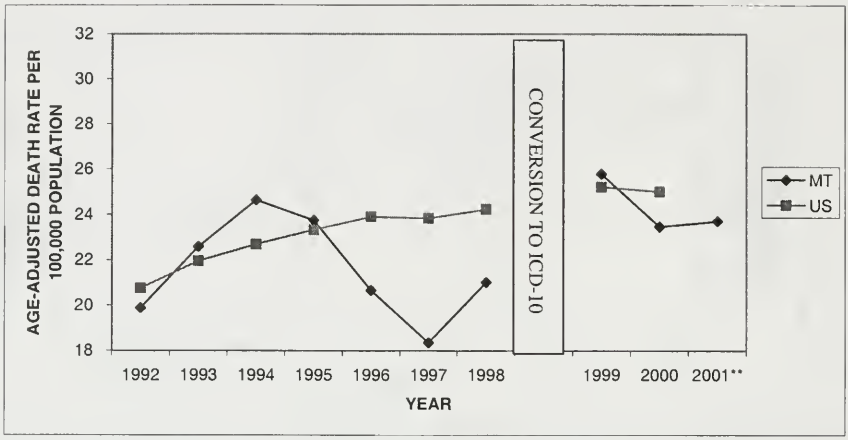
AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 34

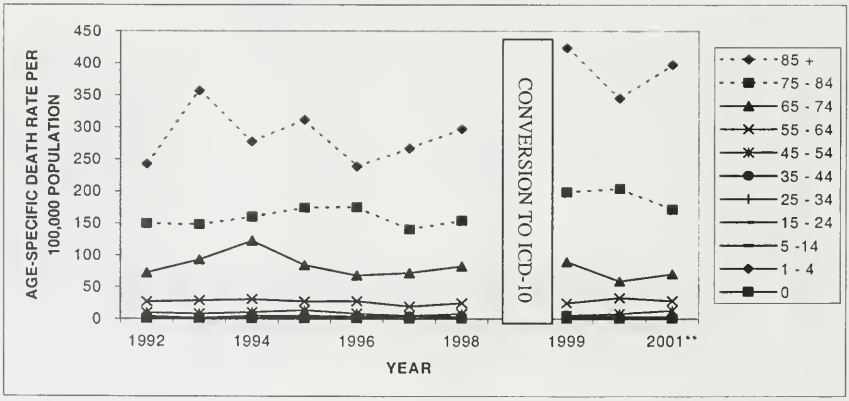
AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 35

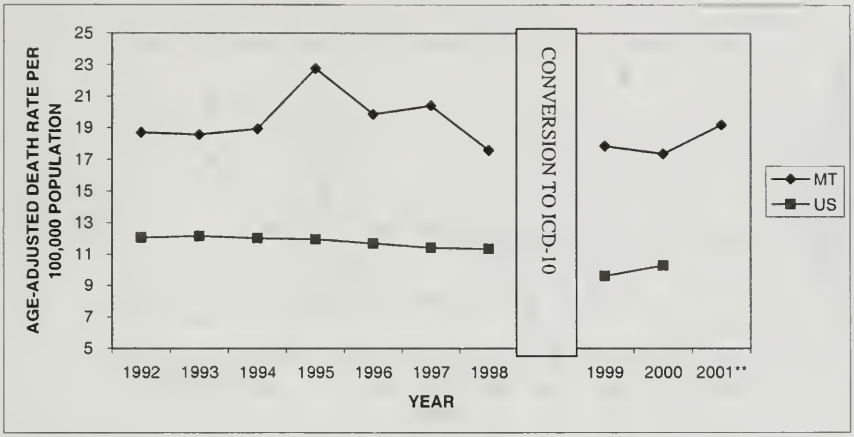
AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 36

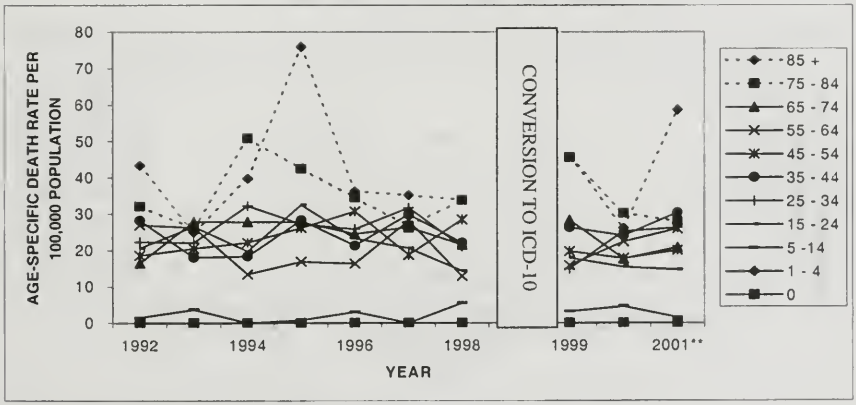
AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 37

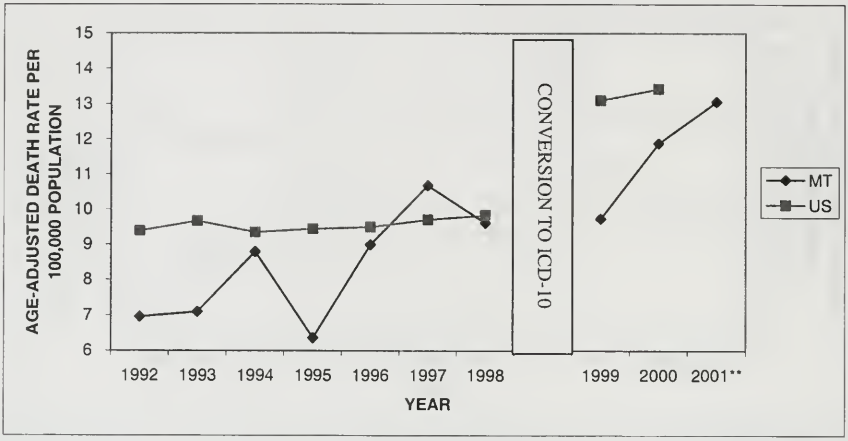
AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 38

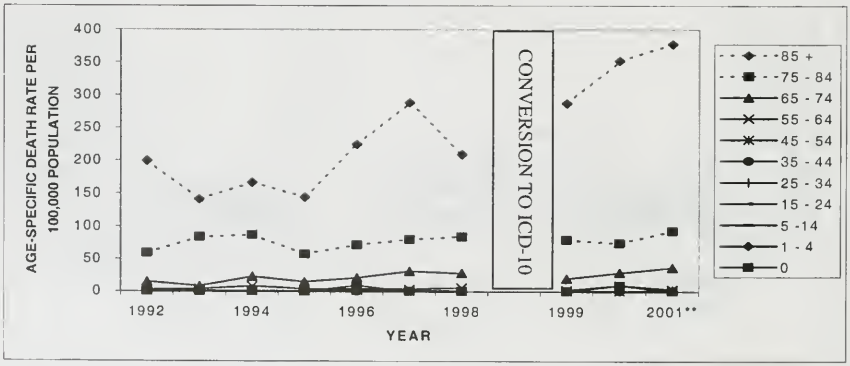
AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 39

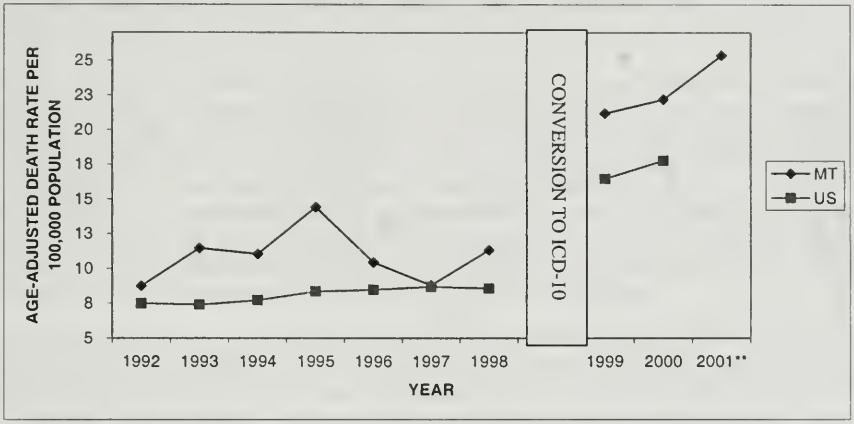
AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 40

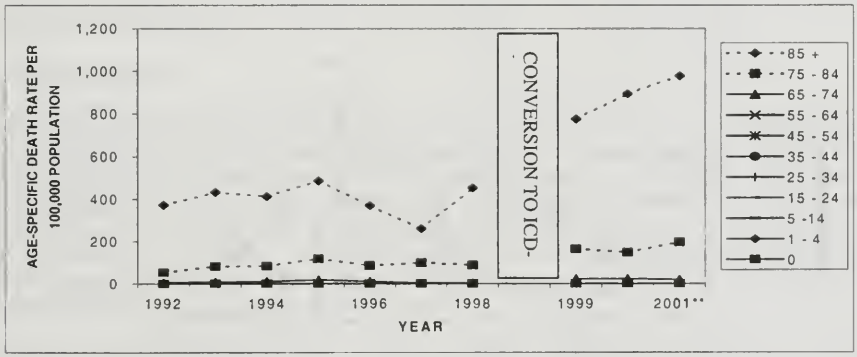
AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S. RESIDENTS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available. The Montana rate for 2001 is based on population estimates for 2000.

Figure 41

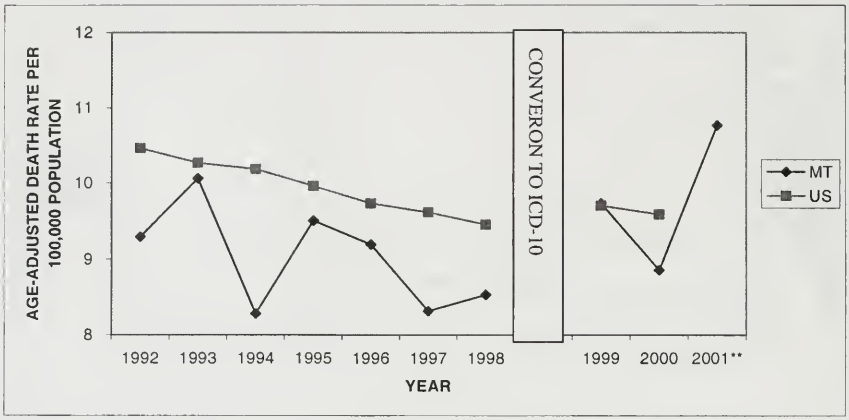
AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1992-2001



** The Montana rate for 2001 is based on population estimates for 2000

Figure 42

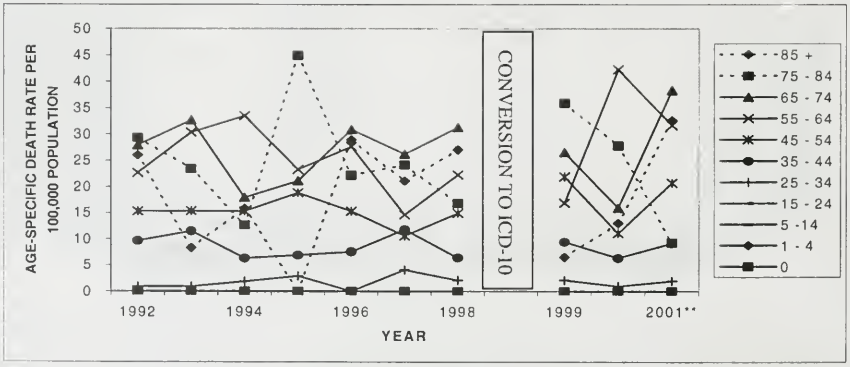
AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S. RESIDENSITS, 1992-2001



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is not yet available.

Figure 43

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1992-2001



****The Montana rate for 2001 is based on population estimates for 2000.**

In all years displayed, Montana's overall (i.e. all cause) age-adjusted rates are below those for the U.S. This is true for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, nephritis, and chronic liver disease and cirrhosis were lower than those for the U.S in eight or nine of the years for which both Montana and U.S. values are displayed. Cancer experienced a marked increase in 2001, the significance of such a single point is not apparent, though it was preceded by two years of the same ICD coding, suggesting that the rate has not been influenced by the recent ICD revision. These underlying causes accounted for slightly more than half (50.1%) of all deaths of Montanans in 2001. Values of the age-adjusted death rates for nephritis and Alzheimer's were increased while that for pneumonia and influenza was decreased by the conversion to ICD-10.

Montana's rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Diabetes rates for Montana were higher than those for the U.S. in three of the seven years in which underlying cause of death was determined with the rules of ICD-9. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10 while the Montana diabetes rate appears less stable (but this may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD). Montana's rates for cerebrovascular disease were higher than those of the U.S. for five of the seven years in which ICD-9 coding rules were used. Montana and U.S. rates for this cause were nearly identical under ICD-10 coding rules. It is not apparent that ICD revision had any effect on these rates.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's Alzheimer's rate was virtually the same as that of the U.S. in 1997, but higher in all other years. Revision of ICD substantially increased both Montana and U.S. rates.

Montana's rates for the traumatic causes of death displayed, accidents (both motor vehicle and non-motor-vehicle) and suicide, were higher than those for the nation in all years displayed, irrespective of the ICD coding rules. These rates do not appear to have been affected by ICD revision.

It is also instructive to examine the change in Montana's rates over time. These graphs show reductions in Montana's overall death rates and rates for specific chronic diseases such as heart disease, cancer (although 2001 rate was elevated above the trend established over the previous nine years), and cerebrovascular disease. The rates for nephritis (and perhaps diabetes) are on the increase, although the trends are somewhat inconsistent and possibly affected by the conversion of ICD coding. There seems to be no clear trend for the other causes of death displayed.

AGE, SEX, AND RACE

Cause of death is age, sex, and race-dependent. Until 2001, heart disease and cancer were the first and second leading causes of death in Montana, claiming the largest numbers of persons of all races and both sexes. However, in 2001 cancer was the leading cause of death among Native American males, with circulatory diseases and accidents tying for the second leading cause. Females dying of heart disease tended to be older than males, although this disparity tended to diminish after the age of 49. After 55 years of age, the proportion of women who died from heart disease was essentially the same as that for men. Persons less than 50 years old who died of cancer were most often women; those older than 50 were most often men. The majority of cancer deaths occurred after the age of 55 for both sexes.

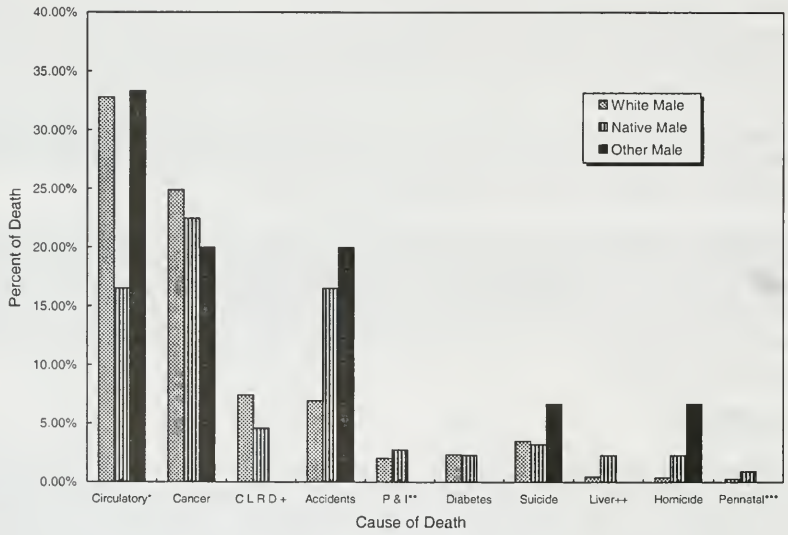
The frequency of Montana resident deaths by sex and age is shown in **Table 9** for 358 selected causes of death. The frequency of death by sex and race is shown in **Table 10** for 113 selected causes of death. These causes are used by National Center for Health Statistics (NCHS) for ranking causes of death. Those causes preceded

by a pound sign (#) are used for ranking causes for decedents of all ages. **Figure 44** shows, graphically, the percent distribution for over three-quarters (77.8%) of these deaths by cause and race categories for males. **Figure 45** shows the distribution among these underlying causes of death for females.

When shown as a proportion of all deaths for calendar year 2001, circulatory system diseases (which include the first and third "rankable" causes of death—heart disease and cerebrovascular disease—as well as atherosclerosis) accounted for the greatest percentage of deaths of all causes shown for the white population (33.8% of both white males and white female decedents). Only 19.2% of Native American male and female decedents died of diseases of the circulatory system--primarily heart disease, cerebrovascular disease and atherosclerosis. Twenty-two percent of both male and female Native Americans died from cancer compared to 23.8% of white male and white female decedents. Accidents tied with cancer as the second leading cause of deaths for Native American males, accounting for 16.5% of their deaths; the proportions of accidental deaths were smaller for Native American females (10.2%), white females (3.5%), and white males (6.8%).

Figure 44

PERCENT DISTRIBUTION OF DEATHS BY SELECTED CAUSE AND RACE
MALE MONTANA RESIDENTS, 2001



* Diseases of the Circulatory system
\+ Chronic Lower Respiratory Disease (C.L.R.D.)
** Pneumonia and Influenza
++ Chronic Liver Disease and Cirrhosis
*** Certain Conditions Originating in the Perinatal Period

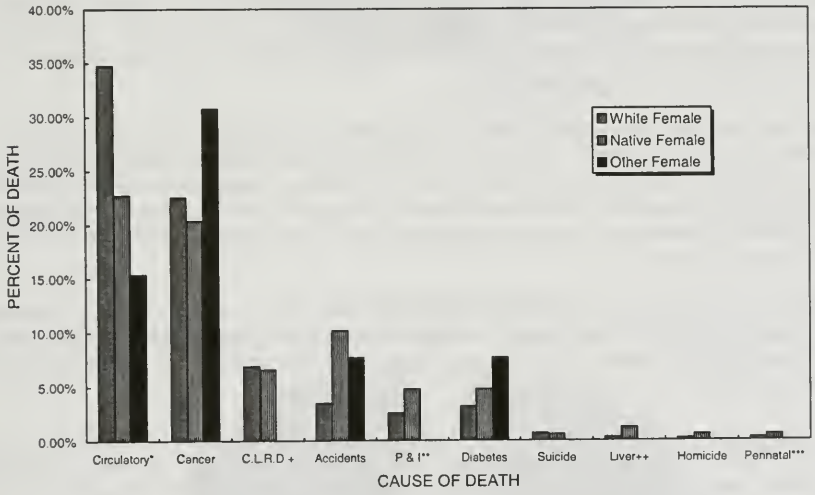
Homicide, suicide, chronic liver disease and cirrhosis, and conditions originating in the perinatal period did not

constitute large percentages of deaths in any of these groups, but the distribution among races and sexes is of interest. The proportion of deaths from homicides for Native American males was 2.3 %, roughly six times that for white males. Predominantly, individuals who committed suicide were males. Three and five-tenths percent of white male decedents committed suicide while only 0.7% of white female decedents did so. Corresponding percentages for Native Americans were 3.2% for males and 0.6% for females.

About four-tenths of one percent of white males and 0.3% white female decedents died of chronic liver disease and cirrhosis. These proportions were much larger for Native American males (2.3 %) and females (1.2%). Nine-tenths of Native American male decedents and 0.6% of Native American female decedents died of conditions originating in the perinatal period. Corresponding proportions for white decedents were 0.25% and 0.29% for males and females, respectively.

Figure 45

PERCENT DISTRIBUTION OF DEATHS BY SELECTED CAUSE AND RACE FEMALE MONTANA RESIDENTS, 2001



* Diseases of the Circulatory system
\+ Chronic Lower Respiratory Disease (C.L.R.D.)
** Pneumonia and Influenza
++ Chronic Liver Disease and Cirrhosis
*** Certain Conditions Originating in the Perinatal Period

Those who died of heart disease were most likely men older than age 35. After 35, the deaths due to heart disease were predominantly men until after 55 years of age; then the women's proportion was roughly equal to that of men. Victims of accidental death in 2001 were most likely to be men in their late teens to early twenties or in their early forties. The Montana resident committing suicide was likely to be a man, nearly 10%

were males younger than 25 years old but two thirds (67%) were between 25 and 64 years old; in all age groups, the use of a firearm was the most common method. Montana resident homicide victims were most likely to be males (21 males compared to 10 females). Nearly 61% of the homicides involved use of a firearm and though more rare, the majority of female homicides were committed with a firearm (70%).

Table 9 also shows the frequency of accidental deaths of Montanans by age at death and type of accident. Motor vehicle accidents accounted for the majority of accidental deaths for those from 10 to 64 years of age (90%) and one-third of the accidental deaths of infants.

Figure 46 displays leading causes of death by age group for Montana residents. In 2001, sudden infant death syndrome, certain conditions originating in the perinatal period, and congenital anomalies, accounted for two-thirds of the infant deaths. Deaths due to conditions originating in the perinatal period —including maternal factors and complications of labor and delivery, birth trauma, infections, and respiratory, cardiovascular, and digestive system disorders specific to this period— were the leading cause of death in the "under one year" age category—(32.9%), followed by congenital anomalies—including malformations of the nervous system, eye, ear, face, neck, and circulatory, respiratory, and digestive systems—(28.8%). **Table 12** displays the frequency of infant death by race, age in days, and 130 selected causes of death. Those causes preceded by a pound sign (#) are used for ranking causes for infants only. Only 12 Montana decedents were between the ages of one and four years in 2001. Accidents (25.0%), congenital anomalies (25.0%) and homicide (16.7%) were the leading cause of death for these decedents.

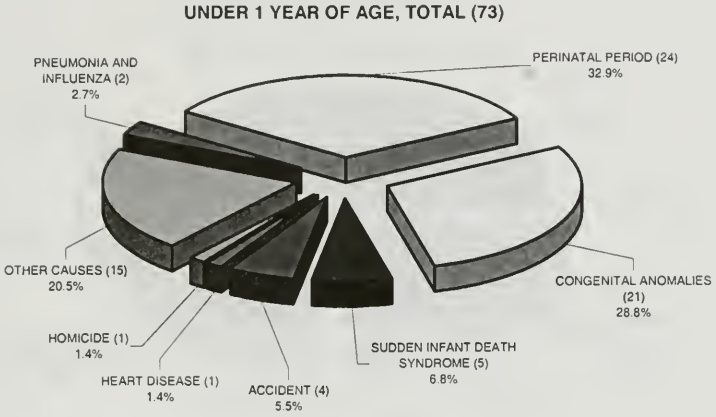
Accidents were more likely to cause the deaths of the young than the old. They accounted for 18.3% of the deaths of those 14 years of age or younger, 60% of the deaths of those between the ages of 15 and 24, and nearly 41% of those between the ages of 25 and 34 years. By contrast, accidents accounted for less than 6% of the deaths in the entire population. Suicide was the cause of death for 18.2% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.1% of decedents of all ages. Of the suicide victims, 85.4% were males.

For decedents more than 34 years of age, chronic diseases—particularly heart disease and cancer—increased in influence. Cancer, followed by heart disease, was the leading cause of death for all of the age categories between 45 and 74 years. However, for the age categories 75 and older, heart disease was the leading cause, with cancer second.

For the all-age category, heart disease (23.8 %) was the leading cause of death, followed closely by cancer (23.7 %). C.L.R.D. (7.1 %), cerebrovascular disease (7.0 %), and accidents (5.7 %) were a distant third, fourth, and fifth, respectively. Frequencies and crude rates for the ten leading causes of death are shown for Montana and each of its counties in **Table 26**.

Figure 46

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000


UNDER 1 YEAR OF AGE, TOTAL (73)
PNEUMONIA AND INFLUENZA (2) 2.7%
PERINATAL PERIOD (24) 32.9%
OTHER CAUSES (15) 20.5%
CONGENITAL ANOMALIES (21) 28.8%
HOMICIDE (1) 1.4%
HEART DISEASE (1) 1.4%
ACCIDENT (4) 5.5%
SUDDEN INFANT DEATH SYNDROME (5) 6.8%

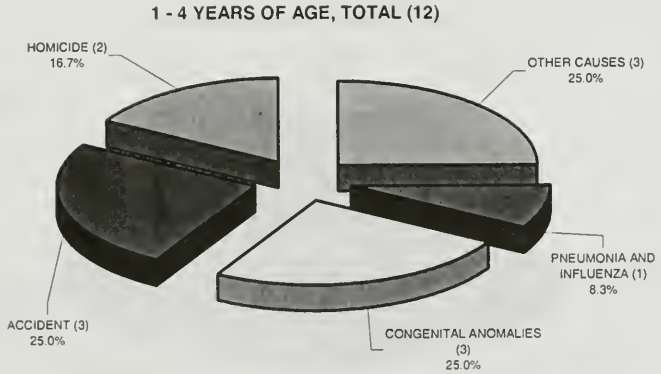
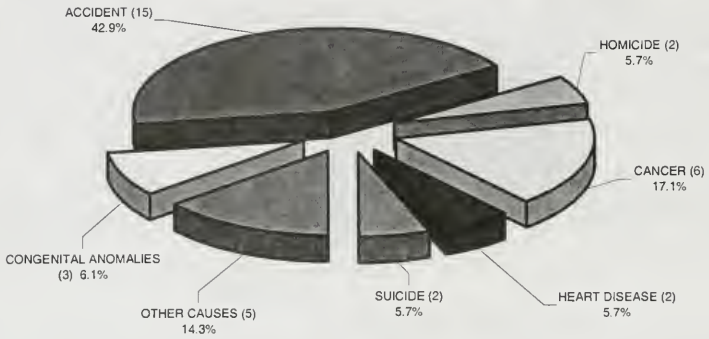

1 - 4 YEARS OF AGE, TOTAL (12)
HOMICIDE (2) 16.7%
OTHER CAUSES (3) 25.0%
PNEUMONIA AND INFLUENZA (1) 8.3%
ACCIDENT (3) 25.0%
CONGENITAL ANOMALIES (3) 25.0%

Figure 46 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000

5 - 14 YEARS OF AGE, TOTAL (35)



15 - 24 YEARS OF AGE, TOTAL (95)

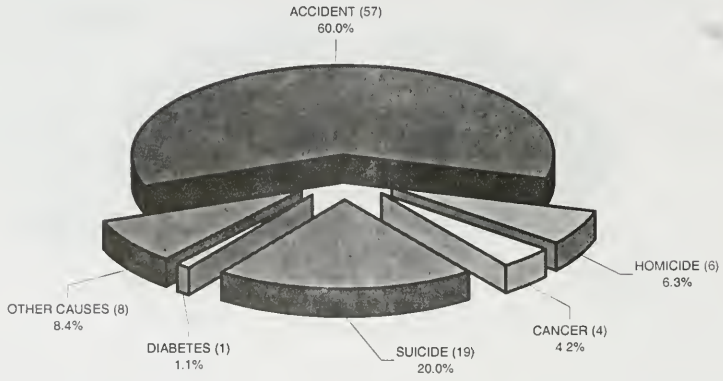
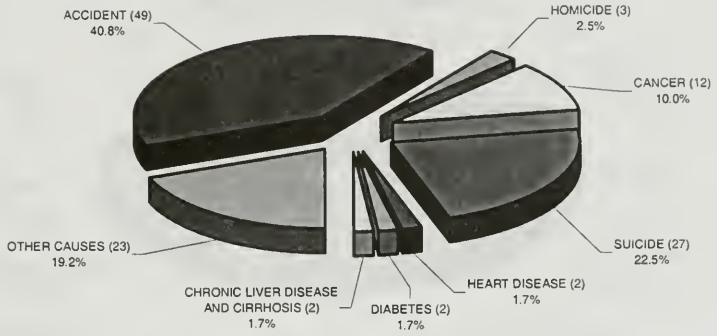


Figure 46 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000

25 - 34 YEARS OF AGE, TOTAL (120)



35 - 44 YEARS OF AGE, TOTAL (273)

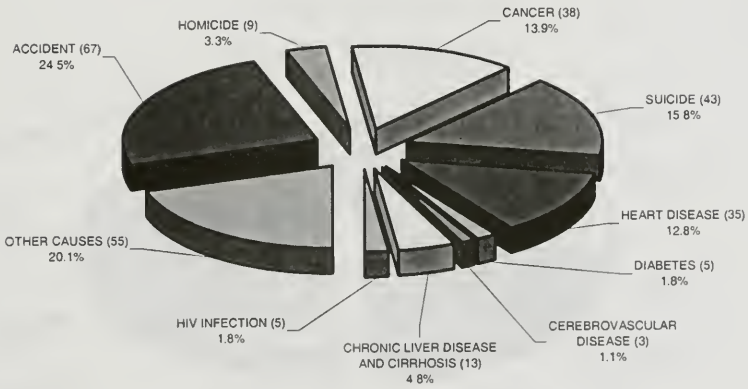
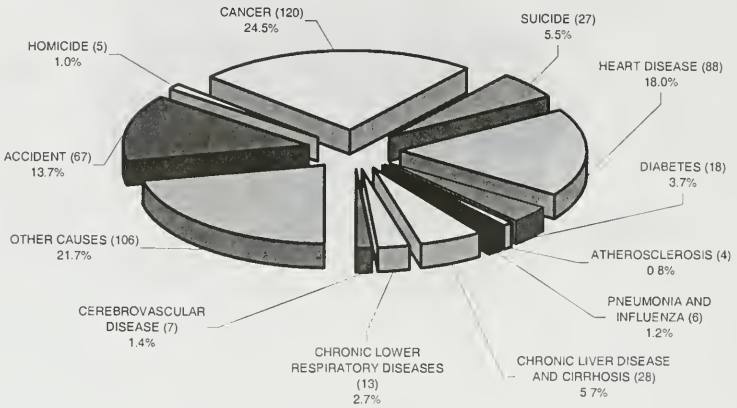


Figure 46 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000

45 - 54 YEARS OF AGE, TOTAL (489)



55 - 64 YEARS OLD, TOTAL (806)

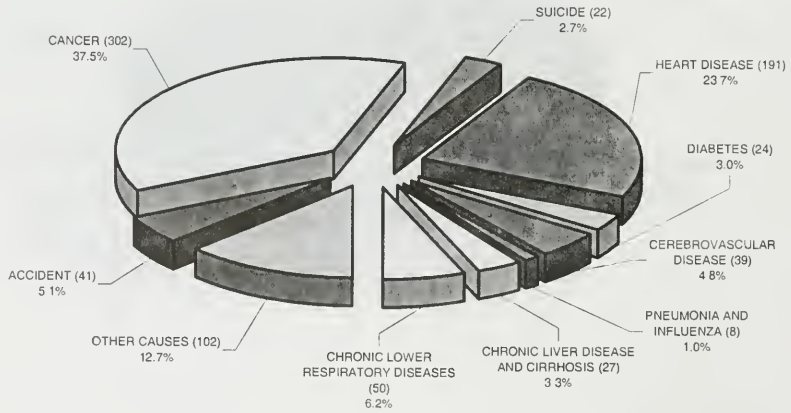
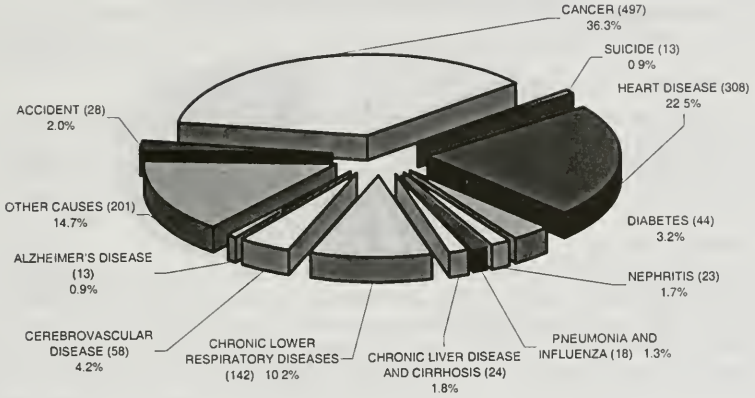


Figure 46 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000

65 - 74 YEARS OLD, TOTAL (1,369)



75 - 84 YEARS OLD, TOTAL (2,472)

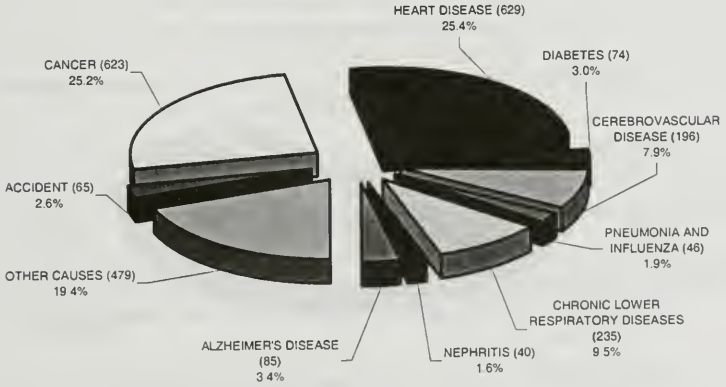
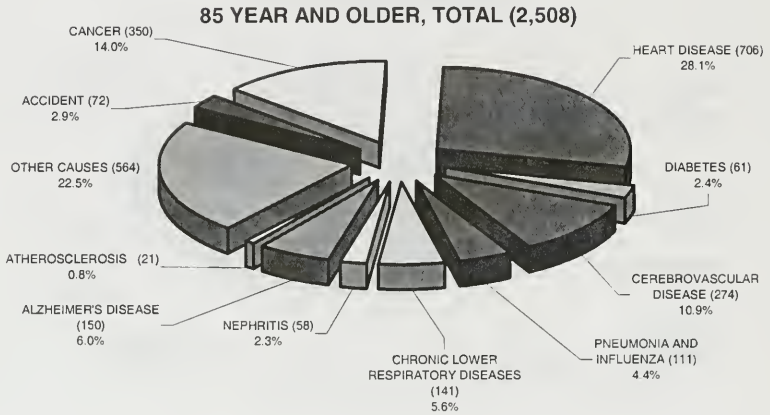
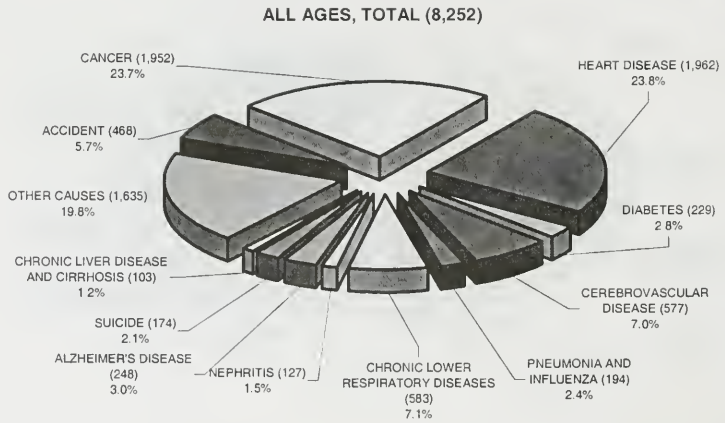


Figure 46 (Concluded)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2000





YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies for the ten leading causes of death for Montana residents are reported in **Table 26**. The ten leading causes are: heart disease (23.8% of all resident deaths); cancer (23.7%); chronic lower respiratory diseases (CLRD)—(7.1%); cerebrovascular disease (7.0%); accidents (5.7%); Alzheimer's disease (3.0%); diabetes (2.8%); pneumonia and influenza (2.4%), suicide (2.1%); and nephritis, nephrotic syndrome and nephrosis (1.5%). **Figure 47** represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2001 are reflected in this figure.

An alternative perspective, YPLL-75, is shown in **Figure 48**. Only decedents younger than 75 at the time of death are reflected in this figure. Accidents, homicide, and suicide comprise only 8.2% of the deaths in 2001 but accounted for 30.2% of the total losses as measured by YPLL-75. Society's losses include emotional and financial support for families of the decedents and productivity for the economy as a whole. The decedents, of course, lose life itself.

In 2001, the total loss of life before age 75 was 59,944 years. The loss to society resulting from cancer was 20.7% of all years lost. Accidental deaths of any type accounted for 19.6% of total YPLL, with motor vehicle accidents accounting for 12.4% and non-motor-vehicle accidents accounting for 7.2%. Heart disease also caused large losses to society, accounting for 8,079 years lost (13.5%). Other deaths from traumatic injury, suicide and homicide, accounted for 8.5% and 2.1%, respectively. All traumatic deaths together (accidents, homicide, and suicide) accounted for 30.2% of all YPLL-75.

Regardless of which of these two perspectives is used, heart disease and cancer cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age. The YPLL-75 perspective, however, reorders the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." Accidental death (both motor vehicle and non-motor-vehicle) was only the fifth leading cause of death using frequency of death, but ranks second in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked ninth by frequency, but became the fourth leading cause when measured by total YPLL-75.

Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 49.**

The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (75 years lost). Traumatic causes of death--including motor vehicle accidents (41.3 years), other accidents (32.8), homicide (45.1), and suicide (34.4)—occupied four of the next five highest ranks.

In general, average YPLL-75 was high when median age was low. For instance, Alzheimer's had the lowest associated average YPLL-75, 3.6 years per decedent younger than 75, and the highest associated median age, 87 years. There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question.

Figure 47

FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2001

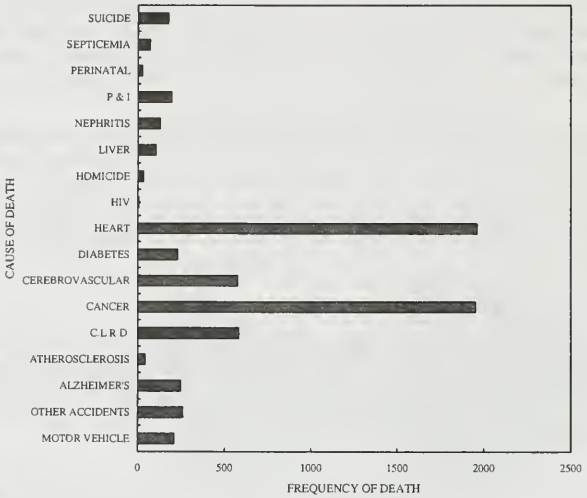


Figure 48

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2001

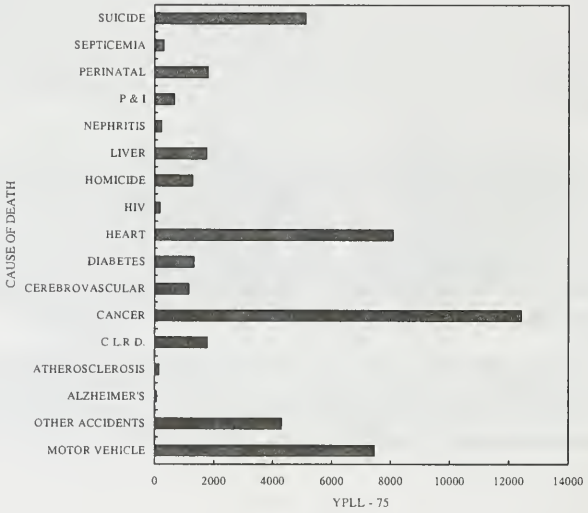


Figure 49

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2001

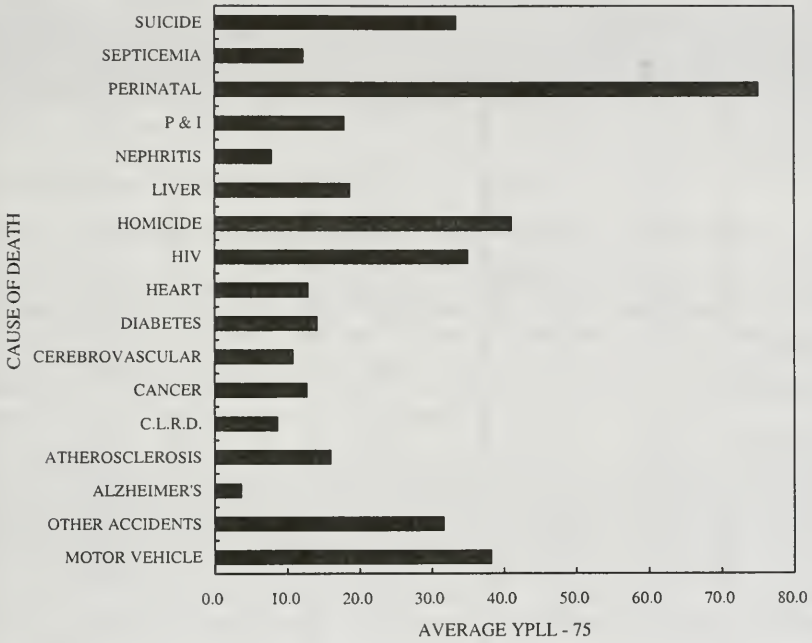


Figure 50 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for these same 17 causes of death. The left side of the table shows YPLL-75 and related measures--i.e., measures referring to the number of decedents in 2001 who died before the age of 75. The right side of the table shows statistics referring to all decedents, regardless of age. Causes of death are shown in descending order of average years of life lost before age 75.

Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer or heart disease, relatively few residents died of conditions arising in the perinatal period, but all of these decedents contributed the maximum number of years (75) to total YPLL-75.

Figure 50

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75 BY CAUSE OF DEATH CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 2001

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL – 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	18.3	3,272	59,944	0	73.8	79	83	109	18.2	8,252
Certain Conditions Arising in the Perinatal Period	75.0	24	1,800	0	0.0	0	0	0	0.0	24
Homicide	41.1	31	1,273	0	33.9	37	21	71	18.7	31
Motor Vehicle Accidents	38.2	195	7,449	0	39.8	39	20	93	19.6	209
HIV Infection	35.0	5	175	36	40.0	41	-	44	3.4	5
Suicide	33.4	153	5,106	13	46.7	43.5	39	98	19.6	174
Non-Motor Vehicle Accidents	31.6	136	4,301	0	64.0	71	84	104	25.6	259
Chronic Liver Disease and Cirrhosis	18.7	94	1,754	34	58.6	58	53	90	12.8	103
Pneumonia & Influenza	17.9	37	661	0	82.6	87	89	106	16.3	194
Atherosclerosis	16.0	9	144	49	81.5	85	85	103	14.3	41
Diabetes Mellitus	14.1	94	1,325	24	74.7	78	84	96	14.2	229
Heart Disease	12.9	627	8,079	0	78.0	81	82	107	13.4	1,962
Cancer	12.7	979	12,405	5	72.5	74	79	101	13.3	1,952
Septicemia	12.2	25	306	0	77.0	78.5	77	98	14.9	70
Cerebrovascular Disease	10.8	107	1,153	36	81.9	84	80	100	10.6	577
Chronic Lower Respiratory Diseases (C.L.R.D.)	8.6	207	1,780	36	77.0	78	82	104	9.9	583
Nephritis, Nephrotic Syndrome, and Nephrosis	7.8	29	227	49	82.2	83	86	108	10.7	127
Alzheimer's Disease	3.6	13	47	66	86.2	87	84	100	6.6	248
All Other Causes	23.6	507	11,959	0	74.0	81	83	109	21.4	1,464

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

CANCER INCIDENCE AND PREVALENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for diagnosis year 2001, reported as of October 2002 to the Montana Central Tumor Registry. Mortality data are for the entire calendar year. Incidence reporting for diagnosis year 2001 was approximately 91% completed on this date with 4,092 new cancer diagnoses having been reported for 2001. The expected number of Montana cancer cases for 2001 is 4,500. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from SEER race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table 31 shows reported incidence of cancer for Montana residents diagnosed in 2001. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (17.1% of all cancer diagnoses), female breast (16.0%), the lung and bronchus (12.5%), the colon (7.0%), melanoma (4.5%), the urinary bladder (4.0%), Hodgkin's and Non-Hodgkin's Lymphoma (3.9%), and the rectum and rectosigmoid (3.4%). Invasive cervical cancer accounted for less than 1% of cancer diagnoses (4.6% for both in-situ and malignant) for Montanans for 2001. However, 153 of the 187 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for less than 1% of cancer diagnoses—only 20 cases were reported in 2001.

Table 32 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their early thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 2001, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of 2001 cancer diagnoses by site, sex, and county of residence is shown in **Table 33** for the 10 most frequently diagnosed primary sites.

Figures 51, 53, 55, and 57 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 52, 54, 56, and 58 show the five-year relative survival rates for these same cancers, comparing Montana and the United States. The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 703 cases reported for 2001 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is

primarily a disease of the elderly, as the median age at diagnosis is 70. In 2001, 124 Montana residents died of prostate cancer (**Tables 9 and 10),** tying with breast cancer for third leading cause of cancer deaths.

Figure 51 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1992 through 2001. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 2001, 61% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 8% in 1992 to 3% in 2001. Cases reported as in-situ stage increased in 2001 to 5% because Prostatic Intraepithelial Neoplasia (PIN) became categorized as an in-situ cancer and was reportable. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. About 90% of cancers of the prostate are characterized as adenocarcinomas.

Figure 51

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1992-2001

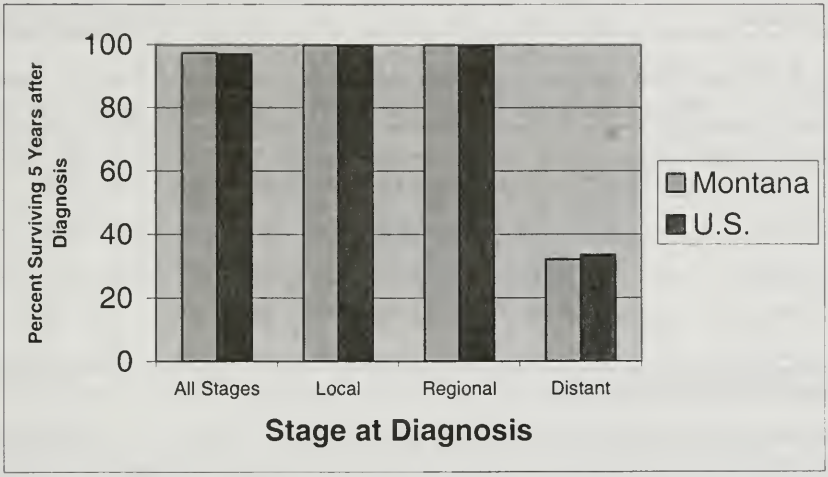
Year of Diagnosis	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of Cases Diagnosed	809	799	643	729	673	667	717	744	746	703
Percent Stage at Diagnosis*										
In-Situ	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%
Local	60%	60%	64%	60%	57%	59%	65%	63%	66%	61%
Regional	19%	19%	15%	13%	16%	13%	14%	15%	12%	9%
Distant	8%	7%	6%	5%	5%	6%	5%	3%	4%	3%
Unknown	14%	14%	15%	22%	21%	22%	17%	19%	18%	21%

* Percents may not add to 100% because of rounding.

Figure 52 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 32% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the third leading cause of cancer deaths among Montanans in 2001.

Figure 52

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER MONTANA AND THE UNITED STATES, 1992-2001



Prostate cancer is generally treated with surgery or radiation. About 50% of patient's diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 35% of prostate cancer patients are treated with radiation. About 25% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women for 2001, with 653 cases reported as diagnosed. It was the underlying cause of death for 124 Montanans (all female) in 2001 (**Tables 9 and 10**), tying with prostate cancer for third most frequent cause of cancer deaths. Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2001, 19% were diagnosed at an in-situ stage, 48% of breast cancers at a local stage, 24% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 53**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at a local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. Breast self-examination (BSE) may detect about 60% of breast cancers. Patients who perform routine BSE find smaller lesions and it is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 53

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1992-2001

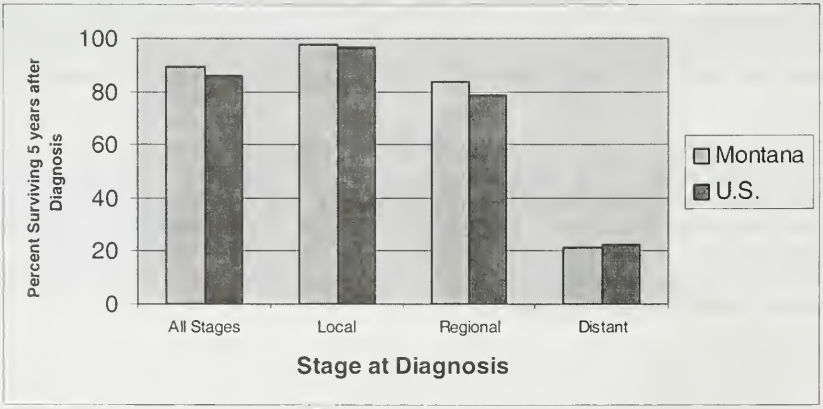
Year of Diagnosis		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of Cases Diagnosed	Males	2	5	4	1	1	6	5	5	2	6
	Females	604	668	632	691	754	737	770	812	786	653
Percent Stage at Diagnosis* In-Situ		10	7%	10%	12%	11%	13%	14%	17%	18%	19%
Local		54%	59%	56%	55%	54%	50%	53%	52%	53%	48%
Regional		26%	25%	24%	21%	24%	28%	26%	23%	22%	24%
Distant		2%	3%	6%	4%	4%	3%	2%	3%	2%	3%
Unknown		8%	5%	5%	8%	7%	5%	4%	6%	4%	6%

* Percents may not add to 100% because of rounding.

Figure 54 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, this rate was 98% at the local stage. Diagnosis at a regional stage decreases five-year survival to about 84%. If the cancer was diagnosed at a distant stage, the rate of survival was 21%. Breast cancer is treated in a variety of ways. Almost 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation. About 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 10% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 54

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1992-2001



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer) for 2001; 511 new cases have been reported for 2001. It was the underlying cause of death for 578 Montanans (**Tables 9 and 10**), making it the leading cause of cancer deaths. The incidence of lung cancer increased in males by about 10% from 1992 to 2001; the percentage increase in women was more than twice as large (30%).

The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 55**. In 2001, 41% of lung cancers were diagnosed at a distant stage and only 16% at a local stage. The stage was unknown or unstageable for about 10% of lung cases in 2001. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage.

Figure 55

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1992-2001

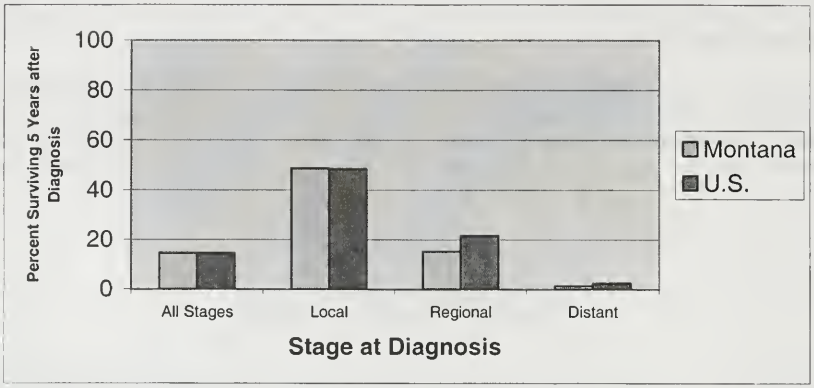
Year of Diagnosis		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of Cases Diagnosed	Males	309	307	318	364	378	337	408	336	363	266
	Females	202	212	227	256	255	279	317	259	296	245
Percent Stage at Diagnosis*											
In-Situ		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Local		22%	22%	22%	17%	19%	17%	17%	16%	22%	16%
Regional		25%	25%	24%	21%	21%	25%	27%	27%	25%	32%
Distant		39%	42%	37%	36%	38%	39%	39%	39%	37%	41%
Unknown		13%	11%	16%	25%	22%	19%	17%	18%	16%	10%

* Percents may not add to 100% because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 56** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty-nine percent of patients diagnosed at a localized stage survive five years; however, only 15% survive five years if diagnosed at a regional stage and less than 2% if diagnosed at a distant stage. Treatment methods for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 23% of patients with lung cancer are treated with surgery and about 42% are treated with radiation. Chemotherapy is given to about 35% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. Twenty-four percent of lung cancers are squamous cell carcinomas, derived from stratified squamous epithelium. About 25% are adenocarcinomas and 20% are carcinoma, NOS.

Figure 56

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER MONTANA AND THE UNITED STATES, 1992-2001



COLORECTAL CANCER

Colorectal cancer was the fourth most common malignancy in Montanans for 2001; there were 427 cases diagnosed and 148 deaths caused by colorectal cancer in 2001 (**Tables 9 and 10**). Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 57** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 2001, 33% were diagnosed at a local stage, 45% at a regional stage, and 12% at a distant stage.

Figure 57

DIAGNOSIS OF COLORECTAL CANCER MONTANA RESIDENTS, 1992-2001

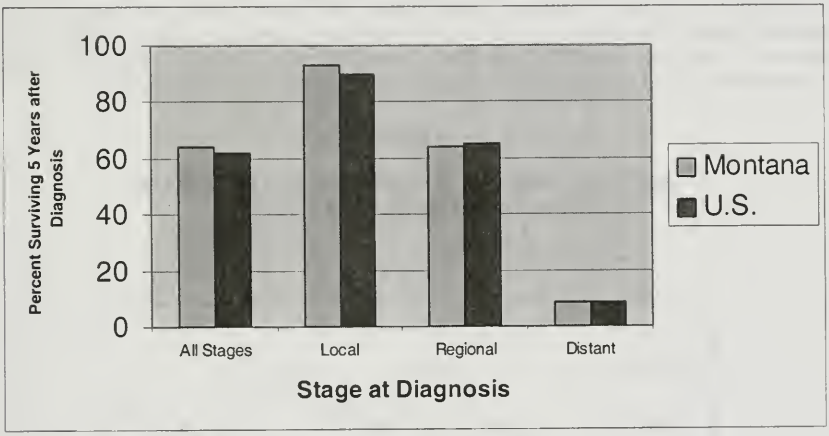
Year of Diagnosis		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of Cases Diagnosed	Males	221	226	223	234	260	268	297	287	243	231
	Females	194	202	223	231	234	236	243	236	228	201
Percent Stage at Diagnosis* In-Situ		2%	2%	2%	2%	3%	4%	4%	2%	3%	5%
Local		40%	34%	39%	32%	34%	36%	34%	33%	34%	33%
Regional		34%	40%	35%	38%	37%	38%	39%	42%	41%	45%
Distant		16%	16%	15%	14%	13%	16%	16%	14%	14%	12%
Unknown		9%	8%	9%	12%	13%	7%	7%	9%	7%	5%

* Percents may not add to 100% because of rounding.

Figure 58 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is over 93%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 64%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. Almost 90% of patients with colorectal cancer are treated with surgery and about 33% are treated with chemotherapy. About 13% are treated with radiation. About 70% of colorectal carcinomas are adenocarcinoma and 11% are mucinous adenocarcinoma (an adenocarcinoma which secretes mucin).

Figure 58

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER MONTANA AND THE UNITED STATES, 1992-2001



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INDUCED ABORTIONS

Induced terminations of pregnancy (abortions) have been reported to the department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 59** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1975.

Beginning in 1975, the first full year of reporting, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend reached another near peak (295.2) in 1990. From 1990 to the present, it has trended slightly downward but varied unpredictably from year to year. The ratio was 214.9 in 2001.

Figure 59

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1975-2001

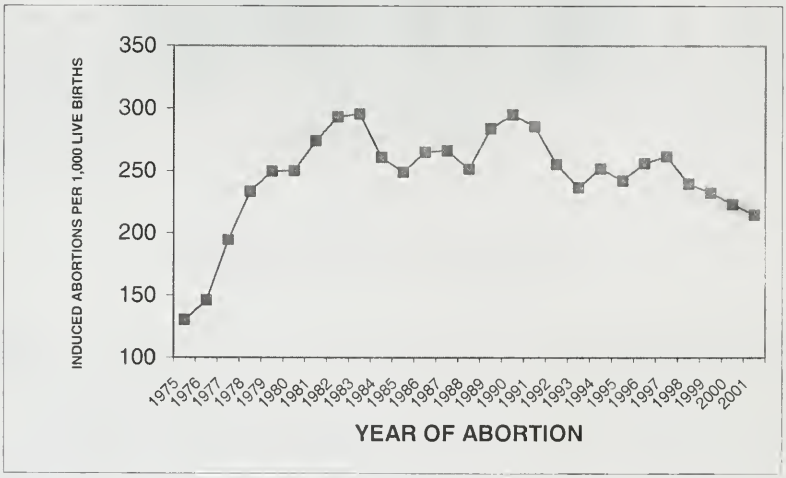


Table 16 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2000.

The frequency of induced abortion, for Montana females receiving the procedure in Montana in 2001 is also tabulated by age of patient (**Table 17**) and by gestational age and procedure used for termination (**Table 18**).

Table 19 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

There were no deaths, attributable to the procedure of abortion, of women receiving abortions in Montana in 2001. Such has been the case in Montana since 1974.

Twelve of the 2,350 abortion procedures performed in Montana in 2000 resulted in reported complications--one with retained products and eleven with hemorrhage.

MARRIAGE

There were 6,612 marriages solemnized in Montana in 2001, an increase in the number but decrease in the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long–term decline since 1980 (see **Figure 60**).

Figure 60

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1967-2001

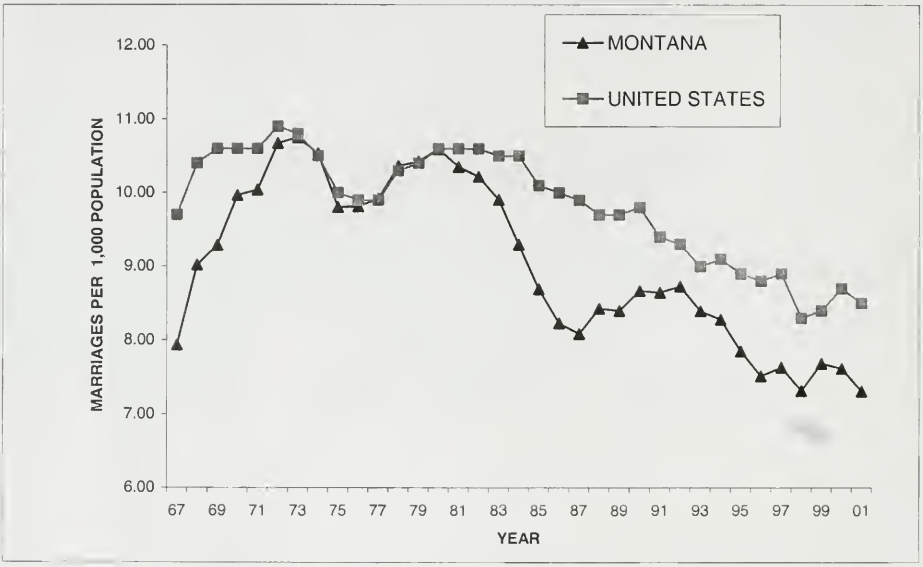


Table 22 shows the frequency of marriage by month in the year 2001. In the last decade, approximately 60% of the marriages solemnized in Montana occurred during the summer and fall months (June through October).

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table 23**. Nearly two-thirds (63.4%) of the grooms and more than three-fifths (62.2%) of the brides married for the first time in 2001. Median ages of brides and grooms for the previous five years are shown in **Table 25**. The median age for first-time brides in 2001 was 23 years and that of first-time grooms was 25.

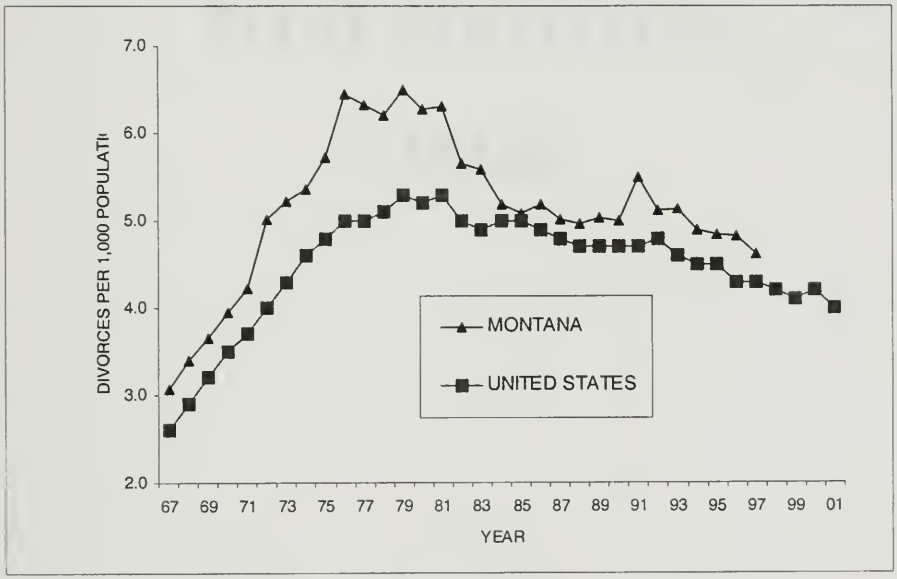
Just over half (53.3 %) of all marriages performed in Montana in 2001 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table 24** by age of bride and groom. In 2001, slightly more than half (52.2 %) of those marrying for the first time, and marrying a first-time bride or groom, were in the same five-year age group as their spouse.

MARITAL TERMINATION

In October of 1998 the collection procedures for Montana's marital termination (marital dissolution and invalid marriage) records changed; therefore, the records from 1998 through 2001 are unavailable for analysis. However, it can be seen that the trend in marital termination for Montana was roughly parallel to the national trend from 1967 through 1997, as **Figure 61** shows, although the Montana rates have been consistently higher.

Figure 61

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1967-2001



Montana's rate of marital termination per 1,000 population is shown in **Table 21**. During the past 20 years, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997.

2001

MONTANA

VITAL STATISTICS

TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	0.0
DATA ARE NOT AVAILABLE	---

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TABLE 1

FREQUENCY AND RATE OR RATIO OF
DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL MORTALITY BY YEAR*
MONTANA, 1910-2001

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10.6	6,124	16.3	NA	NA	714	116 6	62	1,012.4
1915	468,067	5,072	10.8	11,132	23 8	NA	NA	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	NA	NA	862	72.7	104	876.7
1925	542,834	5,188	9 6	10,302	19.0	343	33.3	726	70 5	83	805 7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669 7
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518 5
1940	559,456	5,722	10.2	11,468	20.5	216	18 8	527	46.0	39	340.1
1945	504,600	5,414	10.7	10,601	21.0	184	17 4	363	34 2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34 8	18	140.0
1947	539,200	5,760	10.7	15,086	28 0	238	15.8	484	32 1	16	106 1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10 2	15,366	26.8	231	15 0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26 4	233	14 9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15 4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14 0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27 7	247	14 3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24 8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9 3	15,934	22.5	194	12.2	383	24 0	2	12.6
1964	705,000	6,851	9.7	15,094	21 4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9 3	13,641	19 3	177	13.0	338	24 8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9 3	12,087	17.2	141	11.7	290	24 0	3	24 8
1968	693,000	6,534	9 4	11,992	17.3	146	12.2	233	19 4	1	8 3
1969	694,000	6,694	9.6	11,762	16 9	132	11 2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18 2	140	11.1	272	21 5	3	23.8
1971	710,000	6,860	9.7	12,347	17 4	127	10.3	267	21.6	-	-
1972	719,000	6,896	9 6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15 8	105	9 2	222	19.5	-	-
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9 3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	-
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22 1
1979	786,000	6,471	8 2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14 1
1981	793,000	6,709	8.5	14,309	18 0	85	5.9	153	10.7	-	-
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9
1983	817,000	6,699	8.2	14,054	17 2	91	6.5	126	9.0	4	28 5
1984	824,000	6,698	8.1	14,141	17 2	110	7.8	125	8.8	1	7.1
1985	826,000	6,725	8.1	13,497	16 3	96	7.1	139	10.3	-	-
1986	819,000	6,738	8 2	12,728	15.5	95	7.5	122	9.6	2	15.7
1987	809,000	6,597	8 2	12,239	15.1	96	7 8	121	9.9	-	-
1988	805,000	6,759	8.4	11,682	14 5	92	7 9	100	8.6	1	8.6
1989	805,600	6,735	8 4	11,667	14 5	86	7 4	133	11.4	-	-
1990	799,065	6,835	8 6	11,602	14 5	78	6.7	106	9.1	-	-
1991	808,000	6,995	8 7	11,498	14 2	90	7 8	82	7 1	1	8.7
1992	823,700	7,067	8.6	11,468	13 9	84	7.3	85	7.4	-	-
1993	839,000	7,457	8 9	11,362	13 5	74	6 5	84	7 4	-	-
1994	856,240	7,331	8.6	11,062	12.9	52	4 7	82	7.4	-	-
1995	868,522	7,614	8.8	11,136	12.8	67	6.0	79	7.1	-	-
1996	879,370	7,686	8.7	10,840	12.3	58	5 4	75	6.9	1	9.2
1997	878,810	7,730	8.8	10,840	12.3	49	4 5	73	6.7	-	-
1998	879,533	7,960	9.1	10,791	12.3	76	7.0	82	7.6	1	9.3
1999	882,779	8,082	9.2	10,779	12.2	62	5.8	71	6 6	-	-
2000	902,195	8,071	8.9	10,946	12.1	55	5 0	63	5 8	2	18.3
2001	904,433	8,252	9 1	10,947	12.1	43	3 9	73	6 7	2	18 3

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U. S. CENSUS ENUMERATION'S ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
\+\+ PER 100,000 LIVE BIRTHS.

TABLE 2

STATE POPULATION BY COUNTY
MONTANA, 2001, 2000 AND 1990

COUNTY	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS ENUMERATION	1990 U.S. CENSUS ENUMERATION
MONTANA, TOTAL	904,433	902,195	799,065
BEAVERHEAD	9,089	9,202	8,424
BIG HORN	12,763	12,671	11,337
BLAINE	6,870	7,009	6,728
BROADWATER	4,457	4,385	3,318
CARBON	9,696	9,552	8,080
CARTER	1,375	1,360	1,503
CASCADE	79,298	80,357	77,691
CHOUTEAU	5,738	5,970	5,452
CUSTER	11,372	11,696	11,697
DANIELS	1,998	2,017	2,266
DAWSON	8,877	9,059	9,505
DEER LODGE	9,171	9,417	10,278
FALLON	2,761	2,837	3,103
FERGUS	11,693	11,893	12,083
FLATHEAD	76,269	74,471	59,218
GALLATIN	69,422	67,831	50,463
GARFIELD	1,243	1,279	1,589
GLACIER	13,125	13,247	12,121
GOLDEN VALLEY	1,019	1,042	912
GRANITE	2,899	2,830	2,548
HILL	16,467	16,673	17,654
JEFFERSON	10,405	10,049	7,939
JUDITH BASIN	2,280	2,329	2,282
LAKE	26,904	26,507	21,041
LEWIS & CLARK	56,094	55,716	47,495
LIBERTY	2,096	2,158	2,295
LINCOLN	18,664	18,837	17,481
MCCONE	1,900	1,977	2,276
MADISON	6,939	6,851	5,989
MEAGHER	1,938	1,932	1,819
MINERAL	3,843	3,884	3,315
MISSOULA	96,303	95,802	78,687
MUSSELSHELL	4,450	4,497	4,106
PARK	15,686	15,694	14,562
PETROLEUM	488	493	519
PHILLIPS	4,420	4,601	5,163
PONDERA	6,345	6,424	6,433
POWDER RIVER	1,824	1,858	2,090
POWELL	7,076	7,180	6,620
PRAIRIE	1,216	1,199	1,383
RAVALLI	37,304	36,070	25,010
RICHLAND	9,343	9,667	10,716
ROOSEVELT	10,561	10,620	10,999
ROSEBUD	9,282	9,383	10,505
SANDERS	10,443	10,227	8,669
SHERIDAN	3,940	4,105	4,732
SILVER BOW	33,604	34,606	33,941
STILLWATER	8,433	8,195	6,536
SWEET GRASS	3,585	3,609	3,154
TETON	6,387	6,445	6,271
TOOLE	5,151	5,267	5,046
TREASURE	802	861	874
VALLEY	7,524	7,675	8,239
WHEATLAND	2,153	2,259	2,246
WIBAUX	1,050	1,068	1,191
YELLOWSTONE	130,398	129,352	113,419
YELLOWSTONE PARK *	NA	NA	52

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER.

* THE CENSUS BUREAU NO LONGER PROVIDES AN ESTIMATE OF THE POPULATION OF YELLOWSTONE NATIONAL PARK. THOSE LIVING WITHIN THE BOUNDARIES OF THE PARK ARE NOW REPORTED AS RESIDENTS OF EITHER GALLATIN OR PARK COUNTY, EFFECTIVE AS OF 1997.

TABLE 3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES	OCC	RES.	OCC.	RES.	OCC.	RES
MONTANA, TOTAL	8,260	8,252	10,935	10,947	43	43	65	73	2	2
BEAVERHEAD	87	97	82	96	1	2	-	-	-	-
BIG HORN	79	93	263	268	-	2	1	4	-	-
BLAINE	40	81	-	105	-	-	-	1	-	-
BROADWATER	40	46	-	32	-	-	-	1	-	-
CARBON	73	87	42	87	-	-	-	1	-	-
CARTER	7	16	-	8	-	-	-	-	-	-
CASCADE	889	784	1,321	1,047	7	5	13	7	-	-
CHOUTEAU	45	61	1	43	-	-	-	-	-	-
CUSTER	153	135	244	132	1	-	2	2	2	1
DANIELS	20	26	-	14	-	-	-	1	-	-
DAWSON	96	101	61	92	-	1	-	-	-	-
DEER LODGE	111	142	41	85	-	-	-	1	-	-
FALLON	29	33	6	23	-	-	-	-	-	1
FERGUS	162	160	112	107	1	1	-	-	-	-
FLATHEAD	676	649	1,047	982	2	1	1	5	-	-
GALLATIN	350	355	870	816	1	2	3	5	-	-
GARFIELD	13	13	-	14	-	-	-	-	-	-
GLACIER	69	98	217	241	1	3	-	-	-	-
GOLDEN VALLEY	-	7	-	17	-	-	-	-	-	-
GRANITE	24	29	-	21	-	-	-	-	-	-
HILL	171	165	391	274	-	-	2	1	-	-
JEFFERSON	56	101	2	90	-	-	-	-	-	-
JUDITH BASIN	9	17	-	15	-	-	-	-	-	-
LAKE	198	254	246	348	1	1	4	5	-	-
LEWIS & CLARK	538	488	716	663	2	2	2	4	-	-
LIBERTY	24	23	24	21	-	-	-	1	-	-
LINCOLN	138	181	110	186	-	-	-	1	-	-
MCCONE	14	15	-	21	-	-	-	-	-	-
MADISON	68	74	1	61	-	-	-	-	-	-
MEAGHER	12	14	-	18	-	-	-	-	-	-
MINERAL	36	39	3	35	-	-	-	1	-	-
MISSOULA	890	667	1,600	1,108	6	3	9	1	-	-
MUSSELSHELL	35	59	-	45	-	-	-	-	-	-
PARK	142	150	175	183	2	2	-	-	-	-
PETROLEUM	4	5	-	3	-	-	-	-	-	-
PHILLIPS	50	61	1	49	-	-	-	1	-	-
PONDERA	59	72	10	57	-	-	-	1	-	-
POWDER RIVER	16	20	-	14	-	-	-	-	-	-
POWELL	61	72	18	63	-	-	-	2	-	-
PRAIRIE	9	18	-	8	-	-	-	-	-	-
RAVALLI	290	357	196	403	-	2	2	5	-	-
RICHLAND	86	105	76	87	-	-	-	-	-	-
ROOSEVELT	97	114	144	209	1	3	2	2	-	-
ROSEBUD	41	65	3	152	-	-	1	-	-	-
SANDERS	82	110	49	114	-	1	-	-	-	-
SHERIDAN	66	68	13	11	1	2	-	-	-	-
SILVER BOW	437	424	445	357	1	1	3	1	-	-
STILLWATER	58	71	3	98	-	-	-	-	-	-
SWEET GRASS	40	40	-	48	-	-	1	1	-	-
TETON	48	63	6	62	-	-	1	1	-	-
TOOLE	44	49	64	61	-	-	-	-	-	-
TREASURE	1	6	-	5	-	-	-	-	-	-
VALLEY	80	95	147	98	2	-	-	-	-	-
WHEATLAND	24	27	-	20	-	-	1	1	-	-
WIBAUX	14	23	-	5	-	-	-	-	-	-
YELLOWSTONE	1,359	1,127	2,185	1,724	13	9	17	16	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	1	-	-	-	-	-	-

TABLE 4

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,252	7,839	385	28	10,947	9,392	1,363	192	43	30	12	1
BEAVERHEAD	97	95	2	-	96	88	5	3	2	2	-	-
BIG HORN	93	50	43	-	268	46	218	4	2	-	2	-
BLAINE	81	57	23	1	105	40	65	-	-	-	-	-
BROADWATER	46	46	-	-	32	32	-	-	-	-	-	-
CARBON	87	87	-	-	87	86	-	1	-	-	-	-
CARTER	16	16	-	-	8	8	-	-	-	-	-	-
CASCADE	784	746	33	5	1,047	918	88	41	5	3	2	-
CHOUTEAU	61	59	2	-	43	43	-	-	-	-	-	-
CUSTER	135	135	-	-	132	127	3	2	-	-	-	-
DANIELS	26	26	-	-	14	14	-	-	-	-	-	-
DAWSON	101	101	-	-	92	90	1	1	1	1	-	-
DEER LODGE	142	141	1	-	85	82	2	1	-	-	-	-
FALLON	33	33	-	-	23	23	-	-	-	-	-	-
FERGUS	160	158	1	1	107	99	6	2	1	-	-	1
FLATHEAD	649	643	5	1	982	948	19	15	1	1	-	-
GALLATIN	355	352	1	2	816	786	17	13	2	2	-	-
GARFIELD	13	13	-	-	14	13	1	-	-	-	-	-
GLACIER	98	42	56	-	241	46	194	1	3	1	2	-
GOLDEN VALLEY	7	7	-	-	17	16	1	-	-	-	-	-
GRANITE	29	29	-	-	21	21	-	-	-	-	-	-
HILL	165	145	19	1	274	163	110	1	-	-	-	-
JEFFERSON	101	100	1	-	90	87	3	-	-	-	-	-
JUDITH BASIN	17	17	-	-	15	15	-	-	-	-	-	-
LAKE	254	208	46	-	348	214	129	5	1	-	1	-
LEWIS & CLARK	488	470	14	4	663	617	28	18	2	1	1	-
LIBERTY	23	23	-	-	21	21	-	-	-	-	-	-
LINCOLN	181	180	1	-	186	183	1	2	-	-	-	-
MCCONE	15	15	-	-	21	19	2	-	-	-	-	-
MADISON	74	74	-	-	61	60	-	1	-	-	-	-
MEAGHER	14	14	-	-	18	18	-	-	-	-	-	-
MINERAL	39	39	-	-	35	35	-	-	-	-	-	-
MISSOULA	667	655	8	4	1,108	1,052	24	32	3	3	-	-
MUSSELSHELL	59	58	1	-	45	42	2	1	-	-	-	-
PARK	150	150	-	-	183	176	3	4	2	2	-	-
PETROLEUM	5	4	1	-	3	2	1	-	-	-	-	-
PHILLIPS	61	57	4	-	49	43	6	-	-	-	-	-
PONDERA	72	68	4	-	57	36	21	-	-	-	-	-
POWDER RIVER	20	20	-	-	14	14	-	-	-	-	-	-
POWELL	72	71	1	-	63	62	-	1	-	-	-	-
PRAIRIE	18	18	-	-	8	8	-	-	-	-	-	-
RAVALLI	357	355	1	1	403	394	7	2	2	2	-	-
RICHLAND	105	104	-	1	87	85	1	1	-	-	-	-
ROOSEVELT	114	57	57	-	209	44	163	2	3	-	3	-
ROSEBUD	65	45	20	-	152	56	95	1	-	-	-	-
SANDERS	110	106	4	-	114	102	6	6	1	1	-	-
SHERIDAN	68	65	3	-	11	11	-	-	2	2	-	-
SILVER BOW	424	421	2	1	357	345	8	4	1	1	-	-
STILLWATER	71	70	1	-	98	95	1	2	-	-	-	-
SWEET GRASS	40	40	-	-	48	47	-	1	-	-	-	-
TETON	63	62	1	-	62	61	1	-	-	-	-	-
TOOLE	49	49	-	-	61	59	1	1	-	-	-	-
TREASURE	6	6	-	-	5	5	-	-	-	-	-	-
VALLEY	95	88	6	1	98	80	18	-	-	-	-	-
WHEATLAND	27	27	-	-	20	19	1	-	-	-	-	-
WIBAUX	23	23	-	-	5	4	1	-	-	-	-	-
YELLOWSTONE	1,127	1,099	23	5	1,724	1,591	110	23	9	8	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	1	1	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE 5

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 1997 - 2001

ITEM	2001		2000		1999		1998		1997	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	10,947	100.0	10,946	100.0	10,779	100.0	10,791	100.0	10,840	100.0
SEX										
MALE	5,575	50.9	5,576	50.9	5,592	51.9	5,526	51.2	5,583	51.5
FEMALE	5,371	49.1	5,370	49.1	5,187	48.1	5,265	48.8	5,257	48.5
UNKNOWN	1	-	-	-	-	-	-	-	-	-
LEGITIMACY										
IN WEDLOCK	7,509	68.6	7,563	69.1	7,546	70	7,549	70	7,735	71.4
OUT OF WEDLOCK	3,429	31.3	3,374	30.8	3,224	29.9	3,230	29.9	3,099	28.6
NOT STATED	9	0.1	9	0.1	9	0.1	12	0.1	6	0.1
MULTIPLE BIRTHS										
SINGLE	10,616	97.0	10,639	97.2	10,490	97.3	10,502	97.3	10,546	97.3
TWINS	299	2.7	294	2.7	271	2.5	272	2.5	287	2.6
TRIPLETS OR MORE	30	0.3	13	0.1	15	0.1	16	0.1	3	-
NOT STATED	2	-	-	-	3	-	1	-	4	-
PARITY										
FIRST BIRTH	4,162	38.0	4,262	38.9	4,216	39.1	4,217	39.1	4,260	39.3
SECOND BIRTH	3,470	31.7	3,515	32.1	3,524	32.7	3,454	32	3,516	32.4
THIRD BIRTH	1,908	17.4	1,875	17.1	1,818	16.9	1,817	16.8	1,776	16.4
FOURTH BIRTH	792	7.2	766	7.0	705	6.5	773	7.2	714	6.6
FIFTH BIRTH	331	3.0	296	2.7	276	2.6	297	2.8	290	2.7
SIXTH BIRTH	128	1.2	133	1.2	117	1.1	112	1	128	1.2
SEVENTH BIRTH	65	0.6	45	0.4	59	0.5	61	0.6	60	0.6
EIGHTH BIRTH	43	0.4	20	0.2	27	0.3	22	0.2	29	0.3
NINTH OR MORE	44	0.4	29	0.3	32	0.3	34	0.3	47	0.4
NOT STATED	4	-	5	-	5	-	4	-	20	0.2

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE 6

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURRENCE
MONTANA, 2001

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	10,935	10,657	97.5%	4	0.0%	274	2.5%
BEAVERHEAD	82	82	100.0%	-	-	-	-
BIG HORN	263	261	99.2%	-	-	2	0.8%
BLAINE	-	-	-	-	-	-	-
BROADWATER	-	-	-	-	-	-	-
CARBON	42	40	95.2%	-	-	2	4.8%
CARTER	-	-	-	-	-	-	-
CASCADE	1,321	1,300	98.4%	-	-	21	1.6%
CHOUTEAU	1	-	-	-	-	1	100.0%
CUSTER	244	244	100.0%	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	61	61	100.0%	-	-	-	-
DEER LODGE	41	39	95.1%	-	-	2	4.9%
FALLON	6	6	100.0%	-	-	-	-
FERGUS	112	110	98.2%	-	-	2	1.8%
FLATHEAD	1,047	1,017	97.1%	-	-	30	2.9%
GALLATIN	870	831	95.5%	1	0.1%	38	4.4%
GARFIELD	-	-	-	-	-	-	-
GLACIER	217	216	99.5%	-	-	1	0.5%
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-
HILL	391	389	99.5%	1	0.3%	1	0.3%
JEFFERSON	2	-	-	-	-	2	100.0%
JUDITH BASIN	-	-	-	-	-	-	-
LAKE	246	239	97.2%	-	-	7	2.8%
LEWIS & CLARK	716	709	99.0%	-	-	7	1.0%
LIBERTY	24	23	95.8%	-	-	1	4.2%
LINCOLN	110	101	91.8%	-	-	9	8.2%
MCCONE	-	-	-	-	-	-	-
MADISON	1	-	-	-	-	1	100.0%
MEAGHER	-	-	-	-	-	-	-
MINERAL	3	-	-	-	-	3	100.0%
MISSOULA	1,600	1,568	98.0%	-	-	32	2.0%
MUSSELSHELL	-	-	-	-	-	-	-
PARK	175	131	74.9%	-	-	44	25.1%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	1	1	100.0%	-	-	-	-
PONDERA	10	10	100.0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	18	18	100.0%	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	196	160	81.6%	-	-	36	18.4%
RICHLAND	76	75	98.7%	-	-	1	1.3%
ROOSEVELT	144	144	100.0%	-	-	-	-
ROSEBUD	3	2	66.7%	1	33.3%	-	-
SANDERS	49	42	85.7%	-	-	7	14.3%
SHERIDAN	13	13	100.0%	-	-	-	-
SILVER BOW	445	441	99.1%	-	-	4	0.9%
STILLWATER	3	1	33.3%	-	-	2	66.7%
SWEET GRASS	-	-	-	-	-	-	-
TETON	6	-	-	-	-	6	100.0%
TOOLE	64	64	100.0%	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	147	145	98.6%	1	0.7%	1	0.7%
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,185	2,174	99.5%	-	-	11	0.5%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

TABLE 7

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	10,947	63	0.6	64	0.6	629	5.7	9,206	84.1	978	8.9	7	0.1
BEAVERHEAD	96	1	1.0	2	2.1	7	7.3	80	83.3	6	6.3	-	-
BIG HORN	268	1	0.4	1	0.4	14	5.2	200	74.6	50	18.7	2	0 7
BLAINE	105	1	1.0	-	-	2	1.9	84	80.0	18	17.1	-	-
BROADWATER	32	1	3.1	-	-	3	9.4	26	81.3	2	6.3	-	-
CARBON	87	1	1.1	-	-	7	8.0	70	80.5	9	10.3	-	-
CARTER	8	-	-	1	12.5	1	12.5	6	75.0	-	-	-	-
CASCADE	1,047	4	0.4	3	0.3	58	5.5	900	86.0	82	7.8	-	-
CHOUTEAU	43	-	-	-	-	1	2.3	34	79 1	8	18 6	-	-
CUSTER	132	-	-	1	0.8	15	11.4	106	80.3	10	7.6	-	-
DANIELS	14	-	-	-	-	1	7.1	11	78.6	2	14 3	-	-
DAWSON	92	-	-	-	-	5	5 4	77	83.7	10	10.9	-	-
DEER LODGE	85	2	2.4	-	-	11	12.9	68	80.0	4	4.7	-	-
FALLON	23	-	-	-	-	1	4.3	19	82.6	3	13.0	-	-
FERGUS	107	-	-	-	-	5	4.7	89	83.2	13	12.1	-	-
FLATHEAD	982	2	0.2	6	0.6	44	4.5	841	85.6	87	8.9	2	0.2
GALLATIN	816	5	0.6	-	-	38	4.7	713	87.4	60	7.4	-	-
GARFIELD	14	-	-	-	-	1	7.1	13	92.9	-	-	-	-
GLACIER	241	-	-	2	0.8	12	5.0	196	81.3	31	12.9	-	-
GOLDEN VALLEY	17	-	-	-	-	1	5.9	15	88.2	1	5.9	-	-
GRANITE	21	-	-	-	-	-	-	20	95 2	1	4.8	-	-
HILL	274	2	0.7	2	0.7	22	8.0	226	82.5	22	8.0	-	-
JEFFERSON	90	1	1.1	-	-	5	5.6	76	84.4	8	8.9	-	-
JUDITH BASIN	15	-	-	-	-	-	-	14	93.3	1	6.7	-	-
LAKE	348	1	0.3	3	0.9	32	9.2	285	81.9	27	7 8	-	-
LEWIS & CLARK	663	2	0.3	9	1.4	54	8.1	554	83.6	42	6.3	2	0.3
LIBERTY	21	1	4.8	-	-	-	-	18	85.7	2	9.5	-	-
LINCOLN	186	1	0.5	1	0.5	14	7.5	150	80.6	20	10.8	-	-
MCCONE	21	-	-	-	-	-	-	18	85.7	3	14.3	-	-
MADISON	61	-	-	-	-	2	3.3	55	90.2	4	6.6	-	-
MEAGHER	18	-	-	-	-	2	11.1	15	83.3	1	5.6	-	-
MINERAL	35	-	-	1	2.9	4	11.4	29	82.9	1	2.9	-	-
MISSOULA	1,108	4	0.4	7	0.6	60	5 4	953	86.0	84	7.6	-	-
MUSSELSHELL	45	-	-	-	-	1	2.2	42	93.3	2	4.4	-	-
PARK	183	1	0.5	1	0.5	6	3.3	148	80.9	27	14.8	-	-
PETROLEUM	3	-	-	-	-	-	-	3	100.0	-	-	-	-
PHILLIPS	49	-	-	-	-	2	4.1	40	81.6	7	14.3	-	-
PONDERA	57	-	-	1	1 8	5	8 8	46	80.7	4	7.0	1	1.8
POWDER RIVER	14	-	-	-	-	-	-	14	100 0	-	-	-	-
POWELL	63	1	1 6	-	-	3	4.8	57	90 5	2	3 2	-	-
PRAIRIE	8	-	-	-	-	1	12.5	7	87.5	-	-	-	-
RAVALLI	403	3	0.7	3	0.7	22	5.5	346	85.9	29	7.2	-	-
RICHLAND	87	-	-	1	1 1	5	5.7	71	81.6	10	11.5	-	-
ROOSEVELT	209	-	-	4	1.9	7	3.3	164	78.5	34	16.3	-	-
ROSEBUD	152	2	1.3	1	0.7	10	6.6	118	77 6	21	13.8	-	-
SANDERS	114	-	-	1	0.9	4	3.5	100	87.7	9	7.9	-	-
SHERIDAN	11	1	9 1	-	-	-	-	9	81.8	1	9.1	-	-
SILVER BOW	357	5	1.4	1	0.3	24	6.7	306	85.7	21	5.9	-	-
STILLWATER	98	-	-	-	-	5	5.1	86	87.8	7	7 1	-	-
SWEET GRASS	48	1	2.1	-	-	3	6.3	41	85.4	3	6.3	-	-
TETON	62	-	-	-	-	3	4 8	48	77.4	11	17.7	-	-
TOOLE	61	2	3.3	-	-	3	4 9	49	80.3	7	11.5	-	-
TREASURE	5	-	-	-	-	-	-	5	100 0	-	-	-	-
VALLEY	98	-	-	-	-	4	4 1	83	84.7	11	11.2	-	-
WHEATLAND	20	-	-	-	-	-	-	19	95 0	1	5.0	-	-
WIBAUX	5	-	-	-	-	-	-	5	100.0	-	-	-	-
YELLOWSTONE	1,724	17	1.0	12	0.7	98	5.7	1,438	83 4	159	9 2	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	1	100 0	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT
HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE 8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS DELIVERING IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE AND BY YEARS OF EDUCATION OF MOTHER MONTANA, 2001

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	10,815	4,123	3,431	1,881	777	326	126	63	42	20	23	3
PERCENT	100	38.1	31.7	17.4	7.2	3.0	1.2	0.6	0.4	0.2	0.2	-
NONE												
NUMBER	2	-	-	1	-	-	-	-	-	-	1	-
PERCENT	100	-	-	50.0	-	-	-	-	-	-	50.0	-
LESS THAN 8 YEARS												
NUMBER	37	13	7	8	2	3	2	1	1	-	-	-
PERCENT	100	35.1	18.9	21.6	5.4	8.1	5.4	2.7	2.7	-	-	-
8 YEARS												
NUMBER	221	76	50	38	20	21	6	4	5	-	-	1
PERCENT	100	34.4	22.6	17.2	9.0	9.5	2.7	1.8	2.3	-	-	0.5
9 YEARS												
NUMBER	290	133	70	41	14	15	7	6	3	1	-	-
PERCENT	100	45.9	24.1	14.1	4.8	5.2	2.4	2.1	1.0	0.3	-	-
10 YEARS												
NUMBER	509	243	122	81	33	19	4	4	-	2	1	-
PERCENT	100	47.7	24.0	15.9	6.5	3.7	0.8	0.8	-	0.4	0.2	-
11 YEARS												
NUMBER	634	295	171	83	43	27	6	2	3	-	4	-
PERCENT	100	46.5	27.0	13.1	6.8	4.3	0.9	0.3	0.5	-	0.6	-
12 YEARS												
NUMBER	3,670	1,341	1,133	689	280	114	48	26	14	11	13	1
PERCENT	100	36.5	30.9	18.8	7.6	3.1	1.3	0.7	0.4	0.3	0.4	-
1 YR COLLEGE												
NUMBER	1,080	383	334	204	89	41	16	6	3	3	1	-
PERCENT	100	35.5	30.9	18.9	8.2	3.8	1.5	0.6	0.3	0.3	0.1	-
2 YRS COLLEGE												
NUMBER	1,223	392	421	244	112	29	14	3	7	1	-	-
PERCENT	100	32.1	34.4	20.0	9.2	2.4	1.1	0.2	0.6	0.1	-	-
3 YRS COLLEGE												
NUMBER	493	187	166	87	28	17	2	2	1	1	2	-
PERCENT	100	37.9	33.7	17.6	5.7	3.4	0.4	0.4	0.2	0.2	0.4	-
4 YRS COLLEGE												
NUMBER	1,690	645	600	276	111	29	17	5	5	1	1	-
PERCENT	100	38.2	35.5	16.3	6.6	1.7	1.0	0.3	0.3	0.1	0.1	-
POST GRADUATE												
NUMBER	957	410	356	128	45	10	4	4	-	-	-	-
PERCENT	100	42.8	37.2	13.4	4.7	1.0	0.4	0.4	-	-	-	-
NOT STATED												
NUMBER	9	5	1	1	-	1	-	-	-	-	-	1
PERCENT	100	55.6	11.1	11.1	-	11.1	-	-	-	-	-	11.1

TABLE 9

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR**		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	8,252	4,216	4,033	40	32	2	-	4	6	13	8	8	6
CERTAIN INFECTIOUS AND PARASITIC DISEASES	110	53	57	-	1	-	-	-	1	-	-	-	-
__INTESTINAL INFECTIOUS DISEASES	4	2	2	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	4	2	2	-	-	-	-	-	-	-	-	-	-
____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	4	2	2	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	2	2	-	-	-	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	2	2	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	75	32	43	-	1	-	-	-	-	-	-	-	-
____(17) MENINGOCCAL INFECTION	2	1	1	-	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	70	29	41	-	1	-	-	-	-	-	-	-	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	3	2	1	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	23	13	10	-	-	-	-	-	1	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	3	1	2	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	13	7	6	-	-	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	5	4	1	-	-	-	-	-	-	-	-	-	-
____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	3	2	1	-	-	-	-	-	-	-	-	-	-
____(42) RESULTING IN OTHER CONDITIONS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	1	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	2	1	1	-	-	-	-	-	1	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	6	4	2	-	-	-	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	4	3	1	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	2,006	1,065	941	-	-	-	-	-	-	2	4	-	-
__MALIGNANT NEOPLASMS	1,952	1,045	907	-	-	-	-	-	-	2	4	-	-
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	21	10	11	-	-	-	-	-	-	-	-	-	-
____(56) OF LIP	1	-	1	-	-	-	-	-	-	-	-	-	-
____(57) OF TONGUE	3	1	2	-	-	-	-	-	-	-	-	-	-
____(58) OF PHARYNX	2	2	-	-	-	-	-	-	-	-	-	-	-
____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	15	7	8	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	429	240	189	-	-	-	-	-	-	-	1	-	-
____(60) OF ESOPHAGUS	49	36	13	-	-	-	-	-	-	-	-	-	-
____(61) OF STOMACH	37	25	12	-	-	-	-	-	-	-	-	-	-
____(62) OF SMALL INTESTINE	5	2	3	-	-	-	-	-	-	-	-	-	-
____OF COLON, RECTUM AND ANUS	189	105	80	-	-	-	-	-	-	-	-	-	-
____(63) COLON	144	87	57	-	-	-	-	-	-	-	-	-	-
____(64) RECTOSIGMOID JUNCTION AND RECTUM	36	16	20	-	-	-	-	-	-	-	-	-	-
____(65) ANUS AND ANAL CANAL	5	2	3	-	-	-	-	-	-	-	-	-	-
____OF LIVER AND INTRAHEPATIC BILE DUCTS	35	22	13	-	-	-	-	-	-	-	-	-	-
____(66) LIVER	24	18	6	-	-	-	-	-	-	-	-	-	-
____(67) INTRAHEPATIC BILE DUCT CARCINOMA	11	4	7	-	-	-	-	-	-	-	-	-	-
____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	14	7	7	-	-	-	-	-	-	-	-	-	-
____(69) OF PANCREAS	100	39	61	-	-	-	-	-	-	-	1	-	-
____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	4	4	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	594	335	259	-	-	-	-	-	-	-	-	-	-
____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	2	1	1	-	-	-	-	-	-	-	-	-	-
____(72) OF LARYNX	11	10	1	-	-	-	-	-	-	-	-	-	-
____(73) OF TRACHEA, BRONCHUS AND LUNG	578	322	256	-	-	-	-	-	-	-	-	-	-
____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	3	2	1	-	-	-	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	7	6	1	-	-	-	-	-	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	36	20	16	-	-	-	-	-	-	-	-	-	-
____(77) MALIGNANT MELANOMA OF SKIN	35	19	16	-	-	-	-	-	-	-	-	-	-
____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	1	1	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	27	15	12	-	-	-	-	-	-	-	-	-	-
____(79) MESOTHELIOMA	11	11	-	-	-	-	-	-	-	-	-	-	-
____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	16	4	12	-	-	-	-	-	-	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	124	-	124	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	78	-	78	-	-	-	-	-	-	-	-	-	-
____(83) OF VULVA AND VAGINA	3	-	3	-	-	-	-	-	-	-	-	-	-
____(84) OF CERVIX UTERI	7	-	7	-	-	-	-	-	-	-	-	-	-

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES. SEE PADE 10 FOR CODES.
** ONE INFANT'S SEX WAS UNKNOWN, MAKING A TOTAL OF 73 INFANT DEATHS

TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	23	-	23	-	-	-	-	-	-	-	-	-	-
____(86) OF OVARY	43	-	43	-	-	-	-	-	-	-	-	-	-
____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	2	-	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	125	125	-	-	-	-	-	-	-	-	-	-	-
____(89) OF PROSTATE	124	124	-	-	-	-	-	-	-	-	-	-	-
____(90) OF TESTIS	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	99	70	29	-	-	-	-	-	-	-	-	-	-
____(92) OF KIDNEY AND RENAL PELVIS	43	30	13	-	-	-	-	-	-	-	-	-	-
____(93) OF BLADDER	54	39	15	-	-	-	-	-	-	-	-	-	-
____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	2	1	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	40	24	16	-	-	-	-	-	-	2	1	-	-
____(96) OF BRAIN	38	23	15	-	-	-	-	-	-	2	-	-	-
____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	1	1	-	-	-	-	-	-	-	1	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	6	3	3	-	-	-	-	-	-	-	1	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	148	71	77	-	-	-	-	-	-	-	1	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	218	126	92	-	-	-	-	-	-	-	-	-	-
____(100) HODGKIN'S DISEASE	6	1	5	-	-	-	-	-	-	-	-	-	-
____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	85	55	30	-	-	-	-	-	-	-	-	-	-
_____(101) NON-HODGKIN'S LYMPHOMA	85	55	30	-	-	-	-	-	-	-	-	-	-
_____(102) OF OTHER AND UNSPECIFIED LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	1	1	-	-	-	-	-	-	-	-	-	-	-
____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	42	20	22	-	-	-	-	-	-	-	-	-	-
____LEUKEMIA	83	48	35	-	-	-	-	-	-	-	-	-	-
_____(105) LYMPHOID LEUKEMIA	30	21	9	-	-	-	-	-	-	-	-	-	-
_____(106) MYELOID LEUKEMIA	40	19	21	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	13	8	5	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	6	2	4	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	3	-	3	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	3	2	1	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	46	18	28	-	-	-	-	-	-	-	-	-	-
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	2	-	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	25	13	12	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	19	9	10	-	-	-	-	-	-	-	-	-	-
___(116) NUTRITIONAL ANEMIAS	1	-	1	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	2	1	1	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	5	4	1	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	11	4	7	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	4	2	2	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	1	1	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	294	120	174	-	-	-	-	-	-	-	-	-	-
__ENDOCRINE DISEASES	238	101	137	-	-	-	-	-	-	-	-	-	-
___(123) DISORDERS OF THYRDID GLAND	6	1	5	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	229	98	131	-	-	-	-	-	-	-	-	-	-
___(125) DISORDERS OF PITUITARY GLAND	1	1	-	-	-	-	-	-	-	-	-	-	-
___(126) OTHER ENDOCRINE DISEASES	2	1	1	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	21	8	13	-	-	-	-	-	-	-	-	-	-
___MALNUTRITION	12	2	10	-	-	-	-	-	-	-	-	-	-
____(130) OTHER AND UNSPECIFIED MALNUTRITION	12	2	10	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	9	6	3	-	-	-	-	-	-	-	-	-	-
__METABOLIC DISORDERS	35	11	24	-	-	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	17	3	14	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	18	8	10	-	-	-	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	206	94	112	-	-	-	-	-	-	-	-	-	-
__(136) ORGANIC DEMENTIA	147	55	92	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	7	3	4	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	40	30	10	-	-	-	-	-	-	-	-	-	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	34	25	9	-	-	-	-	-	-	-	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	6	5	1	-	-	-	-	-	-	-	-	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	1	1	-	-	-	-	-	-	-	-	-	-	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(141) MOOD (AFFECTIVE) DISORDERS	9	4	5	.	.	.	.	.	.	.	.	.	.
(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	1	1	.	.	.	.	.	.	.	.	.	.	.
(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	1	.	1	.	.	.	.	.	.	.	.	.	.
DISEASES OF THE NERVOUS SYSTEM	425	180	245	2	.	.	.	.	.	2	1	.	1
(145) MENINGITIS	4	3	1	.	.	.	.	.	.	.	.	.	.
(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	2	1	1	.	.	.	.	.	.	.	.	.	.
(147) PARKINSON'S DISEASE	69	37	32	.	.	.	.	.	.	.	.	.	.
(148) ALZHEIMER'S DISEASE	248	83	165	.	.	.	.	.	.	.	.	.	.
(149) MULTIPLE SCLEROSIS	19	7	12	.	.	.	.	.	.	.	.	.	.
(150) EPILEPSY	4	2	2	.	.	.	.	.	.	.	.	.	.
(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	3	1	2	.	.	.	.	.	.	.	.	.	.
(152) INFANTILE CEREBRAL PALSY	8	5	3	.	.	.	.	.	.	.	1	.	1
(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	68	41	27	2	.	.	.	.	.	2	.	.	.
DISEASES OF THE CIRCULATORY SYSTEM	2,727	1,348	1,379	1	1	.	.	.	.	1	.	1	.
ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	12	4	8	.	.	.	.	.	.	.	.	.	.
(156) ACUTE RHEUMATIC FEVER	1	1	.	.	.	.	.	.	.	.	.	.	.
CHRONIC RHEUMATIC HEART DISEASES	11	3	8	.	.	.	.	.	.	.	.	.	.
157) RHEUMATIC MITRAL VALVE DISEASE	6	1	5	.	.	.	.	.	.	.	.	.	.
(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	5	2	3	.	.	.	.	.	.	.	.	.	.
HYPERTENSIVE DISEASES	82	36	46	.	.	.	.	.	.	.	.	.	.
(161) ESSENTIAL (PRIMARY) HYPERTENSION	26	12	14	.	.	.	.	.	.	.	.	.	.
(162) HYPERTENSIVE HEART DISEASE	34	14	20	.	.	.	.	.	.	.	.	.	.
(163) HYPERTENSIVE RENAL DISEASE	21	10	11	.	.	.	.	.	.	.	.	.	.
(184) HYPERTENSIVE HEART AND RENAL FAILURE	1	.	1	.	.	.	.	.	.	.	.	.	.
ISCHEMIC HEART DISEASES	1,149	666	483	.	.	.	.	.	.	.	.	.	.
(165) ACUTE MYOCARDIAL INFARCTION	476	300	176	.	.	.	.	.	.	.	.	.	.
OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	673	366	307	.	.	.	.	.	.	.	.	.	.
(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	144	74	70	.	.	.	.	.	.	.	.	.	.
(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	529	292	237	.	.	.	.	.	.	.	.	.	.
OTHER HEART DISEASES	766	352	414	.	1	.	.	.	.	1	.	1	.
PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	65	34	31	.	.	.	.	.	.	.	.	1	.
(169) PULMONARY EMBOLISM	36	20	16	.	.	.	.	.	.	.	.	.	.
(179) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	28	13	15	.	.	.	.	.	.	.	.	1	.
OTHER NON-PULMONARY FORMS OF HEART DISEASE	701	318	383	.	1	.	.	.	.	1	.	.	.
(171) ACUTE AND SUBACUTE ENDOCARDITIS	4	2	2	.	.	.	.	.	.	.	.	.	.
OTHER DISEASES OF ENDOCARDIUM	82	22	60	.	.	.	.	.	.	.	.	.	.
(173) NONRHEUMATIC MITRAL VALVE DISORDERS	8	1	7	.	.	.	.	.	.	.	.	.	.
(174) NONRHEUMATIC AORTIC VALVE DISORDERS	44	13	31	.	.	.	.	.	.	.	.	.	.
(175) ALL OTHER DISEASES OF ENDOCARDIUM	30	8	22	.	.	.	.	.	.	.	.	.	.
(176) CARDIOMYOPATHY	67	43	24	.	.	.	.	.	.	1	.	.	.
(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	157	72	85	.	1	.	.	.	.	.	.	.	.
HEART FAILURE	338	152	186	.	.	.	.	.	.	.	.	.	.
(178) CONGESTIVE HEART FAILURE	301	130	171	.	.	.	.	.	.	.	.	.	.
(179) OTHER AND UNSPECIFIED HEART FAILURE	37	22	15	.	.	.	.	.	.	.	.	.	.
(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	1	.	1	.	.	.	.	.	.	.	.	.	.
(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	52	27	25	.	.	.	.	.	.	.	.	.	.
CEREBROVASCULAR DISEASE	577	213	364	.	.	.	.	.	.	.	.	.	.
(182) SUBARACHNOID HEMORRHAGE	16	3	13	.	.	.	.	.	.	.	.	.	.
(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	73	28	45	.	.	.	.	.	.	.	.	.	.
(184) CEREBRAL INFARCTION	34	16	18	.	.	.	.	.	.	.	.	.	.
(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	332	116	216	.	.	.	.	.	.	.	.	.	.
(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	122	50	72	.	.	.	.	.	.	.	.	.	.
DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	125	68	57	1	.	.	.	.	.	.	.	.	.
(187) ATHEROSCLEROSIS	41	22	19	.	.	.	.	.	.	.	.	.	.
(188) AORTIC ANEURYSM AND DISSECTION	49	27	22	.	.	.	.	.	.	.	.	.	.
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	35	19	16	1	.	.	.	.	.	.	.	.	.
OTHER DISORDERS OF CIRCULATORY SYSTEM	16	9	7	.	.	.	.	.	.	.	.	.	.
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	11	5	6	.	.	.	.	.	.	.	.	.	.
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	5	4	1	.	.	.	.	.	.	.	.	.	.
DISEASES OF THE RESPIRATORY SYSTEM	953	483	470	.	2	.	.	.	1	.	.	.	.

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__ACUTE UPPER RESPIRATORY INFECTIONS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(192) ACUTE PHARYNGITIS AND TONSILLITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	952	483	469	-	2	-	-	-	1	-	-	-	-
____(195) INFLUENZA	3	2	1	-	-	-	-	-	-	-	-	-	-
____PNEUMONIA	191	85	106	-	2	-	-	-	1	-	-	-	-
______(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	1	1	-	-	-	-	-	-	-	-	-	-	-
______(197) BACTERIAL PNEUMONIA	9	4	5	-	1	-	-	-	-	-	-	-	-
______(196) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	181	80	101	-	1	-	-	-	1	-	-	-	-
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	3	2	1	-	-	-	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	583	306	277	-	-	-	-	-	-	-	-	-	-
______BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	575	303	272	-	-	-	-	-	-	-	-	-	-
________(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	2	1	1	-	-	-	-	-	-	-	-	-	-
________(204) EMPHYSEMA	71	38	33	-	-	-	-	-	-	-	-	-	-
________(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	486	256	230	-	-	-	-	-	-	-	-	-	-
________(206) ASTHMA	16	8	8	-	-	-	-	-	-	-	-	-	-
________(207) BRONCHIECTASIS	8	3	5	-	-	-	-	-	-	-	-	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	68	39	29	-	-	-	-	-	-	-	-	-	-
____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	6	5	1	-	-	-	-	-	-	-	-	-	-
____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	62	34	28	-	-	-	-	-	-	-	-	-	-
________(209) PNEUMONITIS DUE TO FOOD AND VOMIT	62	34	28	-	-	-	-	-	-	-	-	-	-
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	5	4	1	-	-	-	-	-	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	3	1	2	-	-	-	-	-	-	-	-	-	-
__(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	96	44	52	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	**324**	**149**	**175**	-	**1**	-	-	-	-	-	-	-	-
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	1	1	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	323	148	175	-	1	-	-	-	-	-	-	-	-
____(216) DISEASES OF ESOPHAGUS	9	5	4	-	-	-	-	-	-	-	-	-	-
____PEPTIC ULCER	24	9	15	-	-	-	-	-	-	-	-	-	-
______(217) GASTRIC ULCER	3	-	3	-	-	-	-	-	-	-	-	-	-
______(218) DUODENAL ULCER	15	8	7	-	-	-	-	-	-	-	-	-	-
______(219) PEPTIC ULCER, SITE UNSPECIFIED	6	1	5	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	2	1	1	-	-	-	-	-	-	-	-	-	-
____(223) DISEASES OF APPENDIX	2	1	1	-	-	-	-	-	-	-	-	-	-
____(224) HENIA	6	4	2	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	54	14	40	-	-	-	-	-	-	-	-	-	-
____(227) DIVERTICULAR DISEASE OF INTESTINE	15	7	8	-	-	-	-	-	-	-	-	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	18	10	8	-	-	-	-	-	-	-	-	-	-
____(229) DISEASES OF PERITONEUM	1	1	-	-	-	-	-	-	-	-	-	-	-
____DISEASES OF LIVER	131	73	58	-	-	-	-	-	-	-	-	-	-
______(230) ALCHOLIC LIVER DISEASE	65	41	24	-	-	-	-	-	-	-	-	-	-
______(232) FIBROSIS AND CIRRHOSIS OF LIVER	38	23	15	-	-	-	-	-	-	-	-	-	-
______(233) OTHER DISEASES OF LIVER	28	9	19	-	-	-	-	-	-	-	-	-	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	14	7	7	-	-	-	-	-	-	-	-	-	-
____DISORDERS OF BILIARY TRACT AND PANCREAS	17	4	13	-	-	-	-	-	-	-	-	-	-
______(235) PANCREATITIS	13	3	10	-	-	-	-	-	-	-	-	-	-
____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	4	1	3	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	29	12	17	-	1	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	8	2	6	-	-	-	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	6	2	4	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	2	-	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	**67**	**20**	**47**	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	20	2	18	-	-	-	-	-	-	-	-	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	1	-	1	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	27	15	12	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	4	1	3	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	2	1	1	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	13	1	12	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	12	1	11	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	184	82	97	-	-	-	-	-	-	-	-	-	-

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES SEE PAGE 10 FOR CODES

TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF URINARY SYSTEM	180	89	91	.	.	.	.	.	.	.	.	.	.
GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	12	6	6	.	.	.	.	.	.	.	.	.	.
GLOMERULAR DISEASES	5	2	3	.	.	.	.	.	.	.	.	.	.
(247) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC SYNDROME	1	1	.	.	.	.	.	.	.	.	.	.	.
(248) NEPHROTIC SYNDROME	3	1	2	.	.	.	.	.	.	.	.	.	.
(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	1	.	1	.	.	.	.	.	.	.	.	.	.
(250) RENAL TUBULO-INTERSTITIAL DISEASES	7	4	3	.	.	.	.	.	.	.	.	.	.
(251) RENAL FAILURE	122	68	54	.	.	.	.	.	.	.	.	.	.
(252) UROLITHIASIS	1	1	.	.	.	.	.	.	.	.	.	.	.
(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	42	13	29	.	.	.	.	.	.	.	.	.	.
(255) OTHER DISEASES OF URINARY TRACT	3	1	2	.	.	.	.	.	.	.	.	.	.
DISEASES OF MALE GENITAL ORGANS	3	3	.	.	.	.	.	.	.	.	.	.	.
(256) HYPERPLASIA OF PROSTATE	1	1	.	.	.	.	.	.	.	.	.	.	.
DISORDERS OF FEMALE GENITAL ORGANS	1	.	1	.	.	.	.	.	.	.	.	.	.
(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	1	.	1	.	.	.	.	.	.	.	.	.	.
OTHER DIRECT OBSTETRIC DEATHS	2	.	2	.	.	.	.	.	.	.	.	.	.
(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	1	.	1	.	.	.	.	.	.	.	.	.	.
(268) OBSTETRIC EMBOLISM	1	.	1	.	.	.	.	.	.	.	.	.	.
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	24	12	12	12	12	.	.	.	.	.	.	.	.
(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	7	6	1	6	1	.	.	.	.	.	.	.	.
(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	8	3	5	3	5	.	.	.	.	.	.	.	.
(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	1	.	1	.	1	.	.	.	.	.	.	.	.
(278) RESPIRATORY DISTRESS OF NEWBORN	1	1	.	1	.	.	.	.	.	.	.	.	.
(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	1	1	1	1	.	.	.	.	.	.	.	.
(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	5	1	4	1	4	.	.	.	.	.	.	.	.
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	38	25	12	15	5	1	.	1	1	2	.	1	.
(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	5	3	2	1	1	.	.	.	.	1	.	.	.
(285) CONGENITAL MALFORMATIONS OF HEART	11	5	6	4	3	.	.	.	.	.	.	.	.
(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	2	2	.	1	.	.	.	.	.	1	.	.	.
(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	13	9	3	5	1	.	.	1	.	.	.	1	.
(289) DOWN'S SYNDROME	3	2	1	.	.	.	.	.	.	.	.	.	.
(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	4	4	.	4	.	.	.	.	.	.	.	.	.
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDING9, NOT ELSEWHERE CLASSIFIED	153	57	96	6	6	.	.	1	.	.	.	.	.
(291) SENILITY	33	9	24	.	.	.	.	.	.	.	.	.	.
ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	85	35	50	6	8	.	.	1	.	.	.	.	.
(299) SUDDEN INFANT DEATH SYNDROME	5	2	3	2	3	.	.	.	.	.	.	.	.
(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	80	33	47	4	5	.	.	1	.	.	.	.	.
(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	35	13	22	.	.	.	.	.	.	.	.	.	.
EXTERNAL CAUSES OF MORTALITY	706	505	201	4	2	1	.	2	3	6	3	6	5
ACCIDENTS	468	315	153	2	2	.	.	1	2	4	2	5	4
TRANSPORT ACCIDENTS	225	156	69	.	1	.	.	.	1	3	2	3	3
(295) RAILWAY ACCIDENTS	1	1	.	.	.	.	.	.	.	.	.	.	.
MOTOR VEHICLE ACCIDENTS	209	144	65	.	1	.	.	.	1	3	2	3	3
(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	11	8	3	.	.	.	.	.	1	.	.	.	.
(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	11	10	1	.	.	.	.	.	.	.	.	.	.
MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	1	.	1	.	.	.	.	.	.	.	.	.	.
(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	1	1	.	.	.	.	.	.	.	.	.	.	.
(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRI	32	26	6	.	.	.	.	.	.	1	1	2	.
(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	62	33	29	.	.	.	.	.	.	1	1	.	1
(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	1	1	.	.	.	.	.	.	.	.	.	.	.
(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	71	51	20	.	1	.	.	.	.	.	.	1	1
(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	5	5	.	.	.	.	.	.	.	1	.	.	.
(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	15	10	5	.	.	.	.	.	.	.	.	.	1
(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	3	3	.	.	.	.	.	.	.	.	.	.	.
(309) WATER TRANSPORT ACCIDENTS	6	5	1	.	.	.	.	.	.	.	.	.	.
(310) AIR AND SPACE TRANSPORT ACCIDENTS	2	2	.	.	.	.	.	.	.	.	.	.	.
(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	4	2	2	.	.	.	.	.	.	.	.	.	.
FALLS	111	64	47	1	.	.	.	.	.	.	.	.	.
(312) FALL ON SAME LEVEL	47	27	20	.	.	.	.	.	.	.	.	.	.
(313) FALL FROM ONE LEVEL TO ANOTHER	21	16	5	1	.	.	.	.	.	.	.	.	.

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
____(314) UNSPECIFIED FALL	43	21	22	-	-	-	-	-	-	-	-	-	-
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	3	3	-	-	-	-	-	-	-	1	-	-	-
____(316) ACCIDENTAL EXPLOSION	1	1	-	-	-	-	-	-	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	12	10	2	1	-	-	-	1	1	-	-	1	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRA	11	8	3	-	-	-	-	-	-	-	-	-	-
____(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	4	3	1	-	1	-	-	-	-	-	-	-	-
____(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	1	-	-	-	-	-	-	-	-	-	-	-
____(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	6	4	2	-	-	-	-	-	-	-	-	-	-
____(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	3	3	-	-	-	-	-	-	-	-	-	-	-
____ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	35	23	12	-	-	-	-	-	-	-	-	-	-
____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	31	19	12	-	-	-	-	-	-	-	-	-	-
____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	1	-	-	-	-	-	-	-	-	-	-	-
____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	3	3	-	-	-	-	-	-	-	-	-	-	-
____(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	56	39	17	-	-	-	-	-	-	-	-	1	1
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	174	147	27	-	-	-	-	-	-	-	-	1	1
____(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	11	4	7	-	-	-	-	-	-	-	-	-	-
____(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	12	11	1	-	-	-	-	-	-	-	-	-	-
____(334) BY HANGING, STRANGULATION AND SUFFOCATION	15	13	2	-	-	-	-	-	-	-	-	-	1
____(335) BY DISCHARGE OF FIREARMS	132	116	16	-	-	-	-	-	-	-	-	1	-
____(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	3	2	1	-	-	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	31	21	10	1	-	1	-	1	-	1	1	-	-
____(339) BY HANGING, STRANGULATION AND SUFFOCATION	3	3	-	1	-	-	-	-	-	-	-	-	-
____(340) BY DISCHARGE OF FIREARMS	19	12	7	-	-	-	-	1	-	1	1	-	-
____(341) BY SHARP OBJECT	5	2	3	-	-	-	-	-	-	-	-	-	-
____(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	3	3	-	-	-	1	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	24	18	6	-	-	-	-	-	-	-	-	-	-
____(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	15	10	5	-	-	-	-	-	-	-	-	-	-
____(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	2	2	-	-	-	-	-	-	-	-	-	-	-
____(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	3	3	-	-	-	-	-	-	-	-	-	-	-
____(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	4	3	1	-	-	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	1	1	-	-	-	-	-	-	-	-	-	-	-
____(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	1	1	-	-	-	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	8	3	5	1	-	-	-	-	1	1	-	-	-
____(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	2	1	1	-	-	-	-	-	-	-	-	-	-
____(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	1	-	1	-	-	-	-	-	-	-	-	-	-
____(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	5	2	3	1	-	-	-	-	1	1	-	-	-

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TABLE 8 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	11	6	14	5	47	13	42	9	47	22	70	36
CERTAIN INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	-	1	-	-	-	3	2
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	1	-
____(10) OTHER TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	1	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	-	-	-	-	-	1	-	-	-	-	-
____(17) MENINGOCCAL INFECTION	-	-	-	-	-	-	1	-	-	-	-	-
____(18) SEPTICEMIA	-	-	-	-	-	-	-	-	-	-	-	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	-	-	-	-	-	-	-	-	-	2	2
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	-	-	-	-	-	-	-	-	-	-	1	1
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	1	1
____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
____(42) RESULTING IN OTHER CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	1
____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	-	-	-	-	2	2	2	2	4	5	7	3
__MALIGNANT NEOPLASMS	-	-	-	-	2	2	2	1	4	5	7	3
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	1	-	-
____(56) OF LIP	-	-	-	-	-	-	-	-	-	-	-	-
____(57) OF TONGUE	-	-	-	-	-	-	-	-	-	1	-	-
____(58) OF PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	-	-	-	-	1	-	-	-	1	-	2	-
____(60) OF ESOPHAGUS	-	-	-	-	-	-	-	-	1	-	-	-
____(61) OF STOMACH	-	-	-	-	-	-	-	-	-	-	-	-
____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
____OF COLON, RECTUM AND ANUS	-	-	-	-	-	-	-	-	-	-	1	-
____(63) COLON	-	-	-	-	-	-	-	-	-	-	-	-
____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	-	-	-	-	-	-	-	-	-	-
____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	-	-	-
____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	1	-	-	-	-	-	1	-
____(66) LIVER	-	-	-	-	1	-	-	-	-	-	1	-
____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	-	-	-	-	-	-	-	-
____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
____(69) OF PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	-	-	-	-	-	-	-	-	-	-	1	1
____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	-	-	-	-	-
____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____(73) OF TRACHEA, BRONCHUS AND LUNG	-	-	-	-	-	-	-	-	-	-	-	1
____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	-	-	-	-	1	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	1	-	-	-	-	1	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____(77) MALIGNANT MELANOMA OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	1	-	-	-	-	-
____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	-	-	-	-
____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	1	-	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	-	-	-	1	-	-	-	1
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
____(84) OF CERVIX UTERI	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED												
(86) OF OVARY												
(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS												
MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS												
(89) OF PROSTATE												
(90) OF TESTIS												
MALIGNANT NEOPLASMS OF URINARY TRACT									1			
(92) OF KIDNEY AND RENAL PELVIS									1			
(93) OF BLADDER												
(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT												
MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM									1	2	2	
(96) OF BRAIN									1	2	2	
(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM												
(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS												
(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES										1	1	1
MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE						2	1		1		1	
(100) HODGKIN'S DISEASE						1						
OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE							1				1	
(101) NON-HODGKIN'S LYMPHOMA							1				1	
(102) OF OTHER AND UNSPECIFIED LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE												
(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES												
(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS												
LEUKEMIA						1			1			
(105) LYMPHOID LEUKEMIA												
(106) MYELOID LEUKEMIA						1						
(108) OTHER AND UNSPECIFIED LEUKEMIA									1			
BENIGN NEOPLASMS												
(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM												
(113) OF OTHER AND UNSPECIFIED SITES												
(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES								1				
(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES												
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM												
ANEMIAS												
(116) NUTRITIONAL ANEMIAS												
(117) HEMOLYTIC ANEMIAS												
(118) APLASTIC ANEMIAS												
(119) ACUTE POSTHEMORRHAGIC ANEMIA												
(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS												
(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS												
(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM												
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES						1			3	1	1	
ENDOCRINE DISEASES						1			1			
(123) DISORDERS OF THYROID GLAND												
(124) DIABETES MELLITUS						1			1	1		
(125) DISORDERS OF PITUITARY GLAND												
(128) OTHER ENDOCRINE DISEASES												
NUTRITIONAL DISEASES									1			
MALNUTRITION												
(130) OTHER AND UNSPECIFIED MALNUTRITION												
(132) OBESITY AND OTHER HYPERALIMENTATION									1			
METABOLIC DISORDERS									1		1	
(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE												
(135) OTHER METABOLIC DISORDERS									1	1	1	
MENTAL AND BEHAVIORAL DISORDERS			1						2	2	2	1
(136) ORGANIC DEMENTIA												
(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS												
MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE			1						2	2	2	1
(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL			1						2	2	1	1
(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE											1	
(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS												

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TABLE 8 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	-	1	1	-	1	-	2	-	-	-	2	1
(145) MENINGITIS	-	-	1	-	-	-	1	-	-	-	-	-
(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-
(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(149) MULTIPLE SCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	1
(150) EPILEPSY	-	-	-	-	-	-	-	-	-	-	-	-
(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
(152) INFANTILE CEREBRAL PALSY	-	1	-	-	1	-	-	-	-	-	1	-
(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	-	-	-	-	-	-	1	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	2	11	6
ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(156) ACUTE RHEUMATIC FEVER	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
HYPERTENSIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-
(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	1	5	1
(165) ACUTE MYOCARDIAL INFARCTION	-	-	-	-	-	-	-	-	-	1	2	-
OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	3	1
(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	-	-	-	-	-	-	-	-	-	1	-
(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	2	1
OTHER HEART DISEASES	-	-	-	-	-	-	-	-	-	1	3	3
PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	1	1	2
(169) PULMONARY EMBOLISM	-	-	-	-	-	-	-	-	-	1	1	-
(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	-	-	2
OTHER NON-PULMONARY FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	-	-	2	1
(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
(176) CARDIOMYOPATHY	-	-	-	-	-	-	-	-	-	-	-	-
(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	-	-	-	-	-	-	-	-	1	-
HEART FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
(178) CONGESTIVE HEART FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-	-	-	-	-
(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
CEREBROVASCULAR DISEASE	-	-	-	-	-	-	-	-	-	-	2	1
(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	-	-	-	-	-	-	-	-
(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHADE	-	-	-	-	-	-	-	-	-	-	2	-
(184) CEREBRAL INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
(185) STROKE, NOT SPECIFIED AS HEMORRHADE OR INFARCTION	-	-	-	-	-	-	-	-	-	-	-	1
(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	1	-
(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	-	-	-	-	-	-	-	-
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	1	-
OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	1	-	-	-	-	1	-	1

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
(192) ACUTE PHARYNGITIS AND TONSILLITIS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	1	-	-	-	-	1	-	1
(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-
PNEUMONIA	-	-	-	-	-	-	-	-	1	-	-	-
(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(197) BACTERIAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	-	-
(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	1	-	-
(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC LOWER RESPIRATORY DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	-	-	-	-	-	-	-	-	-	1
(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
(204) EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-
(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
(206) ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-
(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
(208) PNEUMOCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	-	-	-	-	-	-	-
(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	1	-	-	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	-	1	-	-	-	-	1	-	2	2	5	2
(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	-	1	-	-	-	-	1	-	2	2	5	2
(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	1	-
PEPTIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
(223) DISEASES OF APPENDIX	-	1	-	-	-	-	-	-	1	-	-	-
(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	-	-	-	-	-	-	-
(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF LIVER	-	-	-	-	-	-	1	-	1	2	3	2
(230) ALCOHOLIC LIVER DISEASE	-	-	-	-	-	-	-	-	-	2	2	2
(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	-	-	-	-	-	-	-	-	1	-
(233) OTHER DISEASES OF LIVER	-	-	-	-	-	-	1	-	1	-	-	-
(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	1	-
DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	1	-
(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	-	1	-
(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-	-	-	-	-
(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
OSTEOPATHIES, CHONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	-	-	-	-	-	1	-	-	-	-	-	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	16 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__DISEASES OF URINARY SYSTEM	-	-	-	-	-	1	-	-	-	-	-	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	-	-	-	-	-	-
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(247) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
_____(248) NEPHROTIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
_____(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	-	-	-	-	-	-
____(251) RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
____(252) UROLITHIASIS	-	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	-	-	-	-	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(250) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-	-	1	-	-
__OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-	-	-	-	-
____(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(268) OBSTETRIC EMBOLISM	-	-	-	-	-	-	-	-	-	1	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	2
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	2
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	2	1	1	-
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	-	-	-	-	-	-	-	1	1	-	-
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	-	-	-	-	-	-	-	1	1	1	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	1	-	-	-
EXTERNAL CAUSES OF MORTALITY	11	3	12	5	43	9	37	6	34	7	38	18
__ACCIDENTS	6	3	9	4	31	4	17	4	22	6	14	11
____TRANSPORT ACCIDENTS	4	3	8	4	24	4	12	4	16	4	5	6
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	4	2	7	4	23	4	12	4	15	4	5	5
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	-	-	1	-	-	-	1	-	1	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	-	-	2	-	2	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	1	1	-	4	2	1	-	3	-	2	1
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	1	1	3	4	4	1	3	4	3	-	1	1
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	1	-	3	-	10	1	6	-	7	4	2	4
_____(305) SPECIAL USE MOTOR VEHICLE ANY ACCIDENT	-	-	-	-	-	-	-	-	1	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	1	-	-	-	2	-	-	-	1	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	1	-	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	1	-	-	1	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
____FALLS	-	-	-	-	1	-	3	-	1	-	1	-
_____(312) FALL ON SAME LEVEL	-	-	-	-	1	-	-	-	-	-	-	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	-	-	-	-	2	-	1	-	1	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(314) UNSPECIFIED FALL	-	-	-	-	-	-	1	-	-	-	-	-
(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-	-	-	-	-
(316) ACCIDENTAL EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-
(317) ACCIDENTAL DROWNING AND SUBMERSION	2	-	-	-	2	-	-	-	1	-	-	-
(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	-	-	-	-	1	-	-	-
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-	-	-	-	-
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	-	-	-	-	-	-	1	-
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	1	-	-	-	-	-	2	-
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	-	-	-	-	-	-	1	-	3	2	2	4
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	-	1	-	2	2	2	4
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-	1	-	-	-
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	-	-	1	-	3	-	1	-	-	-	2	1
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	5	-	3	1	9	2	17	1	9	-	15	6
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	1	-	-	-	-	2	1
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	3	1
(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	2	-	2	-	2	-	2	-
(335) BY DISCHARGE OF FIREARMS	5	-	3	-	6	1	14	1	7	-	9	4
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	1	-	-	1	-	-	-	-	-
ASSAULT (HOMICIDE)	-	-	-	-	3	3	1	-	1	1	4	1
(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-	-	-	-	-
(340) BY DISCHARGE OF FIREARMS	-	-	-	-	1	3	-	-	-	1	4	1
(341) BY SHARP OBJECT	-	-	-	-	1	-	1	-	-	-	-	-
(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	1	-	-	-
EVENT OF UNDETERMINED INTENT	-	-	-	-	1	-	2	1	2	-	3	1
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	-	1	1	1	-	1	1
(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	2	-
(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	1	-	1	-	1	-	-	-
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	1	-
(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	1	-
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	-	-	-	-
(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	110	57	138	63	177	91	208	138	277	183	326	216
CERTAIN INFECTIOUS AND PARASITIC DISEASES	4	4	4	1	6	1	2	-	2	4	6	2
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	1	-	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	-	-	1	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	1	1	1	-	1	2	-	2	3	3	2
____(17) MENINGOCCAL INFECTION	-	1	-	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	-	-	1	1	-	1	1	-	2	3	3	2
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	1	-	-	-	-	-
__VIRAL DISEASES	4	3	1	-	3	-	1	-	-	1	2	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
____(36) VIRAL HEPATITIS	1	3	1	-	3	-	-	-	-	1	1	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	3	-	-	-	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	2	-	-	-	-	-	-	-	-	-	-	-
_____(42) RESULTING IN OTHER CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	-	-	1	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	1	-	2	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	1	-	2	-	-	-	-	-	-	-
NEOPLASMS	13	18	26	30	40	29	54	62	101	89	127	92
__MALIGNANT NEOPLASMS	13	15	24	29	39	28	54	60	101	87	128	89
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	1	-	-	1	2	-	-	2
_____(56) OF LIP	-	-	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	-	-	-	-	1	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	1	2	-	-	2
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	2	4	11	3	9	4	18	8	25	13	21	17
_____(60) OF ESOPHAGUS	-	-	2	-	1	-	2	-	5	1	2	1
_____(61) OF STOMACH	1	-	3	1	1	-	1	-	1	-	3	1
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	1	1	-	-
_____OF COLON, RECTUM AND ANUS	1	2	2	1	7	4	8	3	6	6	13	7
_____(63) COLON	1	1	-	1	6	4	7	3	6	4	12	3
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	2	-	1	-	1	-	2	2	1	4
_____(65) ANUS AND ANAL CANAL	-	1	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	1	2	-	-	-	4	1	1	1	1	1
_____(66) LIVER	-	-	2	-	-	-	3	-	1	1	1	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	1	-	-	-	-	1	1	-	-	-	1
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	1	-	-	2	-	-	1	-	1
_____(69) OF PANCREAS	-	1	2	-	-	-	1	4	9	3	2	8
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	3	4	3	4	14	5	17	18	36	40	53	35
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	1	-	-	-	-
_____(72) OF LARYNX	-	-	-	-	1	-	-	1	3	-	1	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	3	4	3	4	12	5	17	16	33	40	52	35
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	1	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	1	-	1	-	1	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	-	1	1	2	3	3	3	-	1	2
_____(77) MALIGNANT MELANOMA OF SKIN	1	-	-	1	1	2	3	3	3	-	1	2
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	2	-	-	1	1	-	4	2	1	2
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	4	-	1	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	2	-	-	1	1	-	-	2	-	2
____(82) MALIGNANT NEOPLASM OF BREAST	-	6	-	7	-	5	-	10	-	16	-	10
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	6	-	3	-	8	-	8	-	8
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	-	-	2	-	-	-	1	-	1	-	-

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MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	3	-	1	-	1	-	2	-	2
_____(86) OF OVARY	-	-	-	1	-	2	-	6	-	5	-	5
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	1	-	2	-	2	-	3	-	12	-
_____(89) OF PROSTATE	-	-	1	-	1	-	2	-	3	-	12	-
_____(90) OF TESTIS	-	-	-	-	1	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	1	1	1	-	3	-	1	3	5	1	9	1
_____(92) OF KIDNEY AND RENAL PELVIS	1	-	1	-	2	-	1	1	2	1	4	1
_____(93) OF BLADDER	-	1	-	-	1	-	-	2	3	-	5	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	-	1	3	3	1	-	2	4	1	2	1
_____(96) OF BRAIN	2	-	1	3	3	1	-	2	4	1	2	1
_____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	1	-	-	-	-	1	1	-	1	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	-	-	1	-	3	6	1	6	3	15	8
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	4	-	4	4	5	4	5	5	11	3	11	3
_____(100) HODGKIN'S DISEASE	-	-	-	-	-	1	-	-	-	1	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	4	-	2	2	2	-	2	4	3	1	2	1
_____(101) NON-HODGKIN'S LYMPHOMA	4	-	1	2	2	-	2	4	3	1	2	1
_____(102) OF OTHER AND UNSPECIFIED LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	1	-	-	-	-	-	-	-	-	-
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	1	1	1	1	3	-	-	-
_____LEUKEMIA	-	-	2	2	2	2	2	-	5	1	8	2
_____(105) LYMPHOID LEUKEMIA	-	-	1	-	2	-	-	-	3	-	3	-
_____(106) MYELOID LEUKEMIA	-	-	1	2	-	2	1	-	1	1	5	2
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	1	-	1	-	1	-
__BENIGN NEOPLASMS	-	1	1	-	-	-	-	-	-	-	-	1
____(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	1
____(113) OF OTHER AND UNSPECIFIED SITES	-	1	1	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	1	1	1	-	-	2	-	1	1	2
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	1	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	1	-	-	-	-	1
__ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	1
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	1	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	4	5	5	7	5	9	8	5	7	12	10
__ENDOCRINE DISEASES	1	4	5	4	5	5	7	7	4	7	12	9
____(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	1	-	-	-	-
____(124) DIABETES MELLITUS	1	4	4	4	5	5	7	6	4	7	11	9
____(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-	-	-	1	-
____(128) OTHER ENDOCRINE DISEASES	-	-	1	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	-	-	-	1	1	-	1	-	-	-	-	1
____MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
____(132) OBESITY AND OTHER HYPERALIMENTATION	-	-	-	1	1	-	1	-	-	-	-	1
__METABOLIC DISORDERS	-	-	-	-	1	-	1	1	-	-	-	-
____(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	1	-	-	-	-
____(135) OTHER METABOLIC DISORDERS	-	-	-	-	1	-	1	-	1	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	2	-	3	1	8	2	2	2	3	-	7	-
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	1	-	2	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	2	-	3	1	6	2	2	2	2	-	5	-
____(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	1	-	3	1	5	2	2	2	2	-	4	-
____(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	1	-	-	-	1	-	-	-	-	-	1	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES. SEE PAGE 10 FOR USE.

TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	1	-	-	-	-	-	-	-
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	1	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	5	3	1	4	5	4	6	2	5	5	6	2
__(145) MENINGITIS	-	-	-	-	1	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	1	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	1	-	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	1	1
__(149) MULTIPLE SCLEROSIS	-	-	-	2	2	3	2	2	-	1	2	-
__(150) EPILEPSY	-	2	-	-	-	-	-	-	-	-	1	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	1	-	-	-	-	-	2	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	4	1	1	2	2	-	2	-	5	3	2	1
DISEASES OF THE CIRCULATORY SYSTEM	17	7	30	11	48	20	64	41	101	39	90	58
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____(156) ACUTE RHEUMATIC FEVER	-	-	-	-	-	-	-	-	-	-	-	-
____CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	2	1	1	-	5	1	2	1	2	-	2	2
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	3	-	-	-	2	-	1	2
____(162) HYPERTENSIVE HEART DISEASE	2	1	1	-	1	1	2	1	-	-	-	-
____(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	1	-	-	-	-	-	1	-
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	10	4	17	5	24	9	38	20	66	16	52	28
____(165) ACUTE MYOCARDIAL INFARCTION	5	-	7	3	14	1	18	6	28	6	30	15
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	5	4	10	2	10	8	19	14	38	10	22	13
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	2	-	3	1	4	3	4	4	9	1	4	5
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	3	4	7	1	6	5	15	10	29	9	18	8
__OTHER HEART DISEASES	4	2	8	5	12	5	14	6	21	7	18	17
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	2	-	1	3	2	1	1	1	3	3	4	2
_____(169) PULMONARY EMBOLISM	-	-	1	3	1	1	1	-	1	2	2	1
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	2	-	-	-	-	-	-	1	2	1	2	1
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	2	2	7	2	10	4	13	5	18	4	14	15
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	1	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	1	-	-	-	1	-	1	-	1	2
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	1	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	1	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	1	-	1	-	-	2
_____(176) CARDIOMYOPATHY	1	1	1	1	3	1	3	-	4	2	-	5
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	3	1	3	1	2	4	5	2	5	5
_____HEART FAILURE	-	-	-	-	2	1	4	1	3	-	7	3
_____(178) CONGESTIVE HEART FAILURE	-	-	-	-	2	1	2	1	3	-	6	3
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	2	-	-	-	1	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	1	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	1	-	2	-	2	1	2	-	5	-	1	-
__CEREBROVASCULAR DISEASE	-	-	2	1	1	3	6	13	7	13	14	7
____(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	-	1	1	4	-	3	1	-
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	2	-	-	-	1	5	1	5	3	5
____(184) CEREBRAL INFARCTION	-	-	-	1	-	-	-	3	-	1	-	-
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	1	2	2	1	6	3	7	2
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	2	-	-	1	3	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	1	-	2	-	6	1	3	1	4	2	2	4
____(187) ATHEROSCLEROSIS	-	-	1	-	3	-	-	-	1	1	-	1
____(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	3	1	3	1	2	1	-	2
____(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	1	-	1	-	-	-	-	-	1	-	2	1
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	1	1	1	-	1	1	2	-
____(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	1	1	-	-	1	2	-
____(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	1	-	-	-	1	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	2	-	4	8	10	6	20	10	22	16	37	27

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(192) ACUTE PHARYNGITIS AND TONSILLITIS	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	2	-	4	6	10	6	20	10	22	18	37	27
____(195) INFLUENZA	-	-	-	-	-	-	-	-	-	1	-	-
____PNEUMONIA	1	-	1	4	1	-	4	-	1	2	4	3
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	1	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	-	-	-	1	-	-	1	-	-	-	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	1	-	-	3	1	-	3	-	1	2	4	3
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	1	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	1	-	2	1	7	3	11	10	17	12	27	20
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	1	-	2	1	7	3	11	10	17	12	28	20
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	1	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	1	-	-	2	2	1	4	4	4	1
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	1	-	7	1	7	9	12	8	22	19
_____(206) ASTHMA	1	-	-	1	-	-	1	-	1	-	-	-
_____(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	1	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	1	-	-	-	1	-	1	-	3	-
_____(208) PNEUMONICONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	1	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	1	-	-	-	1	-	1	-	2	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	1	-	-	-	1	-	1	-	2	-
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	1	-	1	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	1	-	3	3	-	3	1	3	4
DISEASES OF THE DIGESTIVE SYSTEM	7	3	13	6	18	10	13	5	10	12	13	6
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	7	3	13	6	18	10	13	5	10	12	13	6
____(216) DISEASES OF ESOPHAGUS	-	-	-	-	1	-	-	-	1	-	-	-
____PEPTIC ULCER	1	-	1	1	-	-	-	-	-	-	1	2
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	1
_____(218) DUODENAL ULCER	1	-	1	1	-	-	-	-	-	-	1	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	1
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	-	-
____(224) HENIA	-	-	-	-	-	1	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	1	-	-	-	-	1	-	-	1	-	2	-
____(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	1	-	-	1	-	1	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	2	-	-	-	-	-	-	-	-	-
____(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
____DISEASES OF LIVER	5	3	7	5	16	8	12	3	8	9	8	3
_____(230) ALCHOLIC LIVER DISEASE	5	3	4	4	7	3	6	1	6	5	3	2
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	1	-	8	1	5	2	1	1	4	1
_____(233) OTHER DISEASES OF LIVER	-	-	2	1	1	4	1	-	1	3	1	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	1	-
____DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	1	-	-	-	-	1	-	2	-	1
_____(235) PANCREATITIS	-	-	1	-	-	-	-	1	-	2	-	1
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	2	-	-	-	1	-	-	-	1	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	1	-	-	-	-	-	-	-	-	-	1
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	1
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	1	-	-	1	2	1	1	1	2	3	2	2
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	1	-	1	-	-	-	1	-	2
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-	-	1	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	1	-	-	-	2	-	1	1	2	1	-	-
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	1	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	1	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	1	-
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	1	-
DISEASES OF THE GENITOURINARY SYSTEM	-	-	-	2	2	-	2	1	2	-	6	4

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__DISEASES OF URINARY SYSTEM	-	-	-	2	2	-	2	1	2	-	8	4
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	1	-	-	-	-	1
_____GLOMERULAR DISEASES	-	-	-	-	-	-	1	-	-	-	-	-
_____(247) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
_____(248) NEPHROTIC SYNDROME	-	-	-	-	-	-	1	-	-	-	-	-
_____(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	1
____(251) RENAL FAILURE	-	-	-	1	2	-	1	-	1	-	7	3
____(252) UROLITHIASIS	-	-	-	-	-	-	1	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	1	-	-	-	-	1	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	1	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DIRECT OBSTETRIC DEATHS	-	1	-	-	-	-	-	-	-	-	-	-
____(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	1	-	-	-	-	-	-	-	-	-	-
_____(268) OBSTETRIC EMBOLISM	-	-	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	-	-	1	-	1	-	-	2
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	1
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	1	-	1	-	-	1
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	3	-	3	2	-	1	2	-	2	-	2	3
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	3	-	2	1	-	1	-	-	2	-	1	2
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	3	-	2	1	-	1	-	-	2	-	1	2
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	1	1	-	-	2	-	-	-	1	1
EXTERNAL CAUSES OF MORTALITY	55	18	49	14	31	12	31	6	21	8	17	6
__ACCIDENTS	30	12	32	7	20	8	19	4	12	8	9	3
____TRANSPORT ACCIDENTS	17	8	17	2	11	8	11	2	9	5	5	2
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	1	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	16	8	14	2	9	7	10	2	9	5	4	1
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	1	-	1	-	-	-	1	-	-	1	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	2	-	1	-	1	1	1	-	-	-	1	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	1	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	1	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE. COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRI	6	-	2	1	-	-	-	-	2	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	4	4	3	-	1	3	1	1	2	2	3	-
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-	1	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	3	3	4	1	7	2	5	1	-	1	-	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	1	-	-	-	-	-	2	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	-	2	-	-	1	2	-	2	1	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	1	-	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	1	-	1	-	1	-	1	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	1	-	-	-	-	-	-	-	1	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	-	-	-	1
____FALLS	2	1	3	1	2	-	1	-	-	-	1	-
_____(312) FALL ON SAME LEVEL	-	1	-	-	-	-	-	-	-	-	-	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	2	-	3	1	1	-	-	-	-	-	1	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	40-44 YEARS		45 - 48 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(314) UNSPECIFIED FALL	-	-	-	-	1	-	1	-	-	-	-	-
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	1	-	-	-	-	-	-	-	-	-
___(316) ACCIDENTAL EXPLOSION	-	-	-	-	-	-	1	-	-	-	-	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	1	-	-	-	1	-	-	1	-	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	1	-	1	-	-	-	1	-	1	1
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	1	-	1	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	1	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	1	-	-	1	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	9	2	3	3	2	-	-	1	-	-	1	-
___(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	7	2	3	3	2	-	-	1	-	-	-	-
___(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	-	-	-	-	-	-	-	-	-	-	-
___(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	1	-	-	-	-	-	-	-	-	-	1	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	2	1	5	1	2	-	4	-	2	-	1	-
_INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	18	3	11	5	8	3	11	1	9	1	7	2
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	1	3	-	2	-	-	-	-	-	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	1	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	2	-	1	-	1	-	2	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	2	-	1	-	-	1	1	-	-	-	-	-
___(335) BY DISCHARGE OF FIREARMS	14	3	8	2	6	-	7	1	9	1	7	2
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	1	-	-	-	-	-
_ASSAULT (HOMICIDE)	3	1	1	-	3	1	-	-	-	1	1	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	1	-	-	-	-	-	-	-	-	-	1	-
___(340) BY DISCHARGE OF FIREARMS	2	-	1	-	2	1	-	-	-	-	-	-
___(341) BY SHARP OBJECT	-	1	1	-	-	-	-	-	-	1	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
_EVENT OF UNDETERMINED INTENT	4	2	5	1	-	-	1	1	-	-	-	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	2	2	5	-	-	-	-	1	-	-	-	-
___(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	2	-	-	1	-	-	1	-	-	-	-	-
_LEGAL INTERVENTION	-	-	-	-	-	-	-	-	-	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
_COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	1	-	-	-	-	-	-	-	1
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	-	-	-	1	-	-	-	-	-	-	-	-
___(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	1

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	508	319	575	539	663	675	918	1,590
CERTAIN INFECTIOUS AND PARASITIC DISEASES	6	5	7	5	7	10	7	21
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	1	2
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	1	2
____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	1	-	1	2
__TUBERCULOSIS	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	6	4	7	4	5	8	5	18
____(17) MENINGOCCAL INFECTION	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	6	4	7	4	5	7	4	18
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	1	1	-
__VIRAL DISEASES	-	-	-	1	1	1	-	1
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	1	1	-	-	1
____(38) VIRAL HEPATITIS	-	-	-	-	-	1	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
______(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-
______(42) RESULTING IN OTHER CONDITIONS	-	-	-	-	-	-	-	-
______(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	-	-	-	1	1	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	1	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	1	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	-	-	-	-	-	-
NEOPLASMS	172	117	162	155	165	137	168	198
__MALIGNANT NEOPLASMS	166	116	180	153	161	129	164	186
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	1	1	2	2	2	2	2	2
______(56) OF LIP	-	-	-	-	-	-	-	1
______(57) OF TONGUE	-	-	-	1	-	-	-	-
______(58) OF PHARYNX	-	-	-	-	1	-	1	-
______(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	1	1	2	1	1	2	1	1
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	36	24	36	28	39	31	39	56
______(60) OF ESOPHAGUS	8	-	7	4	6	3	2	4
______(61) OF STOMACH	1	-	2	3	5	3	7	4
______(62) OF SMALL INTESTINE	-	-	-	1	-	-	-	1
______OF COLON, RECTUM AND ANUS	15	9	17	9	16	12	18	27
________(63) COLON	12	7	15	9	13	4	15	21
________(64) RECTOSIGMOID JUNCTION AND RECTUM	3	1	1	-	2	8	3	5
________(65) ANUS AND ANAL CANAL	-	1	1	-	1	-	-	1
______OF LIVER AND INTRAHEPATIC BILE DUCTS	3	2	2	1	4	2	3	4
________(66) LIVER	3	1	1	1	3	1	2	2
________(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	1	1	-	1	1	1	2
______(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	4	-	-	1	-	-	1	3
______(69) OF PANCREAS	5	13	6	9	7	11	7	13
______(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	2	-	1	-	1	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	67	48	75	48	40	32	26	24
______(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	1	-	-	-	-	-	-	-
______(72) OF LARYNX	1	-	1	-	2	-	1	-
______(73) OF TRACHEA, BRONCHUS AND LUNG	65	48	74	47	38	32	25	24
______(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	1	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	1	-	-	-	1	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	4	3	2	2	4	1	1	2
______(77) MALIGNANT MELANOMA OF SKIN	4	3	2	2	3	1	1	2
______(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	1	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	1	1	2	3	-	2	4
______(79) MESOTHELIOMA	-	-	1	-	3	-	2	-
______(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	1	-	2	-	-	-	4
____(82) MALIGNANT NEOPLASM OF BREAST	-	13	-	16	-	13	-	26
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	5	-	13	-	9	-	18
______(83) OF VULVA AND VAGINA	-	-	-	1	-	-	-	2
______(84) OF CERVIX UTERI	-	-	-	1	-	1	-	1

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	1	-	4	-	3	-	6
____(86) OF OVARY	-	3	-	7	-	5	-	9
____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	1	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	10	-	22	-	22	-	51	-
____(89) OF PROSTATE	10	-	22	-	22	-	51	-
____(90) OF TESTIS	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	19	4	8	4	14	8	8	7
____(92) OF KIDNEY AND RENAL PELVIS	10	-	2	2	4	5	2	3
____(93) OF BLADDER	9	4	6	2	10	2	5	4
____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	1	1	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	4	1	1	4	2	-	-	-
____(96) OF BRAIN	3	1	1	4	2	-	-	-
____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	1	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	9	5	9	14	13	17	12	22
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	16	11	23	19	22	16	22	25
____(100) HODGKIN'S DISEASE	1	1	-	-	-	-	-	1
____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	10	2	12	7	6	5	11	8
_____(101) NON-HODGKIN'S LYMPHOMA	10	2	12	7	6	5	11	8
_____(102) OF OTHER AND UNSPECIFIED LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	-	-	-	-
____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	1	-
____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	2	4	5	5	7	7	1	4
____LEUKEMIA	3	4	6	7	9	4	9	12
_____(105) LYMPHOID LEUKEMIA	-	1	3	-	5	2	4	6
_____(106) MYELOID LEUKEMIA	2	2	3	6	4	1	2	4
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	1	1	-	1	-	1	3	2
__BENIGN NEOPLASMS	-	-	-	-	1	2	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	2	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	1	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	6	1	2	2	3	5	4	12
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	1	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	4	2	4	-	4	9
__ANEMIAS	-	-	3	1	2	-	4	9
___(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	1
___(117) HEMOLYTIC ANEMIAS	-	-	-	1	-	-	1	-
___(118) APLASTIC ANEMIAS	-	-	2	-	1	-	1	1
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	1	-	1	-	2	7
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	1	1	1	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	1	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**18**	**12**	**17**	**22**	**22**	**36**	**20**	**63**
__ENDOCRINE DISEASES	16	8	15	15	17	30	18	46
___(123) DISORDERS OF THYROID GLAND	-	-	1	1	-	1	-	2
___(124) DIABETES MELLITUS	16	8	14	14	17	29	18	43
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	1
__NUTRITIONAL DISEASES	2	1	-	3	3	1	-	6
___MALNUTRITION	-	1	-	2	2	1	-	6
____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	1	-	2	2	1	-	6
___(132) OBESITY AND OTHER HYPERALIMENTATION	2	-	-	1	1	-	-	-
__METABOLIC DISORDERS	-	3	2	4	2	5	2	11
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	1	-	1	1	4	2	7
___(135) OTHER METABOLIC DISORDERS	-	2	2	3	1	1	-	4
MENTAL AND BEHAVIORAL DISORDERS	**5**	**5**	**4**	**13**	**19**	**15**	**36**	**71**
__(136) ORGANIC DEMENTIA	2	4	4	11	15	12	31	65
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	1	-	-	-	1	3	2
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	3	-	-	1	1	1	1	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	3	-	-	1	-	-	1	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	1	1	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	1	-	-	-

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TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	1	2	-	1	4
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	1	-	-
DISEASES OF THE NERVOUS SYSTEM	15	9	25	19	39	53	63	140
__(145) MENINGITIS	-	-	-	-	-	-	-	1
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	3	-	9	4	8	10	19	17
__(148) ALZHEIMER'S DISEASE	5	6	12	10	24	39	41	109
__(149) MULTIPLE SCLEROSIS	1	-	-	1	-	1	-	1
__(150) EPILEPSY	-	-	-	-	1	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	1	2
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	6	3	4	4	8	3	2	10
DISEASES OF THE CIRCULATORY SYSTEM	174	76	202	178	255	247	352	694
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	1	2	-	1	3	4	-	1
____(156) ACUTE RHEUMATIC FEVER	-	-	-	-	1	-	-	-
____CHRONIC RHEUMATIC HEART DISEASES	1	2	-	1	2	4	-	1
_____157) RHEUMATIC MITRAL VALVE DISEASE	1	2	-	1	-	1	-	1
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	2	3	-	-
__HYPERTENSIVE DISEASES	3	4	5	4	7	11	7	22
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	1	1	2	1	3	3	-	7
____(162) HYPERTENSIVE HEART DISEASE	1	2	1	3	2	1	4	11
____(163) HYPERTENSIVE RENAL DISEASE	1	1	2	-	2	7	3	3
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	1
__ISCHEMIC HEART DISEASES	95	36	106	62	116	79	137	222
____(165) ACUTE MYOCARDIAL INFARCTION	42	16	47	24	46	30	60	74
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	53	20	59	38	70	49	77	148
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	10	3	11	13	15	11	11	29
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	43	17	48	25	55	38	66	119
__OTHER HEART DISEASES	39	17	50	57	70	74	111	219
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	3	1	4	4	4	7	8	6
_____(169) PULMONARY EMBOLISM	3	-	3	1	2	4	5	3
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	1	1	3	2	3	3	3
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	36	16	46	53	66	67	103	213
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	1	1	-	1
_____OTHER DISEASES OF ENDOCARDIUM	2	3	3	9	4	15	9	31
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	1	-	2	-	4
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	2	1	2	5	2	6	6	19
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	2	1	3	2	7	3	8
_____(176) CARDIOMYOPATHY	5	1	9	2	5	5	11	6
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	8	2	18	11	16	17	11	41
_____HEART FAILURE	16	10	14	23	38	23	67	125
_____(178) CONGESTIVE HEART FAILURE	13	9	12	20	30	22	61	115
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	3	1	2	3	8	1	6	10
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	5	-	2	8	2	6	5	9
__CEREBROVASCULAR DISEASE	25	12	28	48	52	68	76	198
____(182) SUBARACHNOID HEMORRHAGE	1	-	-	2	-	2	-	1
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	6	1	4	8	5	7	4	14
____(184) CEREBRAL INFARCTION	2	1	1	2	7	2	6	8
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	12	9	13	26	32	49	43	123
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	4	1	10	10	8	8	23	52
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	11	4	10	4	7	10	20	31
____(187) ATHEROSCLEROSIS	2	-	3	1	4	3	8	13
____(188) AORTIC ANEURYSM AND DISSECTION	6	3	5	2	3	4	5	8
____(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	3	1	2	1	-	3	7	10
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	1	3	2	-	1	1	1
____(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	2	2	-	1	-	1
____(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	1	1	-	-	-	1	-
DISEASES OF THE RESPIRATORY SYSTEM	59	58	77	86	109	81	132	175

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES. SEE PAGE 10 FOR CODES.

TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	1	-	-
____(192) ACUTE PHARYNGITIS AND TONSILLITIS	-	-	-	-	-	1	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	69	58	77	86	109	80	132	175
____(195) INFLUENZA	-	-	-	-	-	-	2	-
____PNEUMONIA	6	5	14	6	13	13	40	69
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	-	1	1	-	-	-	2	2
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	6	4	13	6	13	13	38	67
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	-	-	-	-	-	-	1
____CHRONIC LOWER RESPIRATORY DISEASE	52	43	49	65	72	49	68	73
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	51	43	49	64	72	48	67	70
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	1
_____(204) EMPHYSEMA	7	5	2	9	9	5	9	6
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	42	38	47	55	62	42	56	57
_____(206) ASTHMA	2	-	-	-	1	1	2	6
_____(207) BRONCHIECTASIS	1	-	-	1	-	1	1	3
___LUNG DISEASES DUE TO EXTERNAL AGENTS	2	2	8	5	9	10	14	12
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	3	1	1	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	2	2	5	4	8	10	14	12
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	2	2	5	4	8	10	14	12
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	1	-	1	-	-	1	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	1	1	-	-	-	-	-	1
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	6	7	5	10	15	7	8	19
DISEASES OF THE DIGESTIVE SYSTEM	**17**	**21**	**14**	**24**	**19**	**34**	**18**	**47**
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	1	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	17	21	13	24	19	34	18	47
____(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	1	2	3
____PEPTIC ULCER	1	2	2	3	2	4	1	3
_____(217) GASTRIC ULCER	-	-	-	1	-	1	-	-
_____(218) DUODENAL ULCER	-	1	2	1	2	2	1	2
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	1	1	-	1	-	1	-	1
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	1	-	-	-	-	-	-	1
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-
____(224) HENIA	1	-	1	-	-	-	2	1
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	1
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	3	1	1	10	4	11	2	17
____(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	1	1	4	4	1	1
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	1	5	2	1	3	1	2	1
____(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	1	-
___DISEASES OF LIVER	8	9	2	4	1	1	2	8
_____(230) ALCHOLIC LIVER DISEASE	6	-	1	2	-	-	1	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	1	7	1	-	-	-	1	3
_____(233) OTHER DISEASES OF LIVER	1	2	-	2	1	1	-	5
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	1	1	1	-	2	4	2	2
___DISORDERS OF BILIARY TRACT AND PANCREAS	1	1	-	2	-	4	1	2
_____(235) PANCREATITIS	1	1	-	2	-	2	-	1
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	2	1	1
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	2	3	3	3	4	2	7
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	1	-	-	-	1	4
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	1	-	-	-	1	3
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	1
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	**2**	**1**	**1**	**5**	**1**	**11**	**8**	**22**
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	1	1	2	-	7	1	3
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	2	-	-	2	1	3	6	5
__(243) DORSOPATHIES	-	-	-	-	-	-	1	3
__(244) SOFT TISSUE DISORDERS	-	-	-	1	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	1	-	11
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	11
DISEASES OF THE GENITOURINARY SYSTEM	**11**	**6**	**13**	**12**	**12**	**20**	**42**	**46**

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES. SEE PAGE 10 FOR CODES.

TABLE 9 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__DISEASES OF URINARY SYSTEM	11	6	13	12	11	19	40	46
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	2	1	-	1	-	4	1
______GLOMERULAR DISEASES	-	2	-	-	1	-	1	-
________(247) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC SYNDROME	-	-	-	-	-	-	1	-
________(248) NEPHROTIC SYNDROME	-	1	-	-	1	-	-	-
________(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	1	-	-	-	-	-	-
______(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	1	-	-	-	3	1
____(251) RENAL FAILURE	9	2	11	7	8	13	29	28
____(252) UROLITHIASIS	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	2	2	1	4	2	6	7	16
____(255) OTHER DISEASES OF URINARY TRACT	-	-	-	1	-	-	-	1
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	1	-	2	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	1	-	2	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	1	-	-
____(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	1	-	-
__OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-
____(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	-	-	-	-	-	-	-
____(288) OBSTETRIC EMBOLISM	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	2	1	-	-	1	1
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	1
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	1	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	1	1	-	-	1	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABDRATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	4	3	4	7	5	9	22	52
__(291) SENILITY	-	-	1	1	1	3	7	20
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	2	2	2	4	2	3	12	28
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	2	2	2	4	2	3	12	28
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	2	1	1	2	2	3	3	14
EXTERNAL CAUSES OF MORTALITY	15	6	22	10	26	22	44	37
__ACCIDENTS	11	5	16	9	20	20	35	37
____TRANSPORT ACCIDENTS	5	-	2	5	2	3	1	2
______(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-
______MOTOR VEHICLE ACCIDENTS	3	-	2	5	2	3	1	1
________(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	1	-	1	1	-	-
________(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	-	-	-	-	-	-
________MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-
____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-
________(301) MOTOR VEHICLE. COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	-	-	-	-	-	-	-
________(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	1	-	1	4	-	2	1	-
________(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-
________(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	1	-	-	-	1	-	-	1
________(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	-	-	-	-	-	-
________(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	-	-	1	-	-	-	-
______(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	1	-	-	-	-	-	-	-
______(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
______(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
______(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	1	-	-	-	-	-	-	1
____FALLS	3	3	9	1	11	13	25	28
______(312) FALL ON SAME LEVEL	1	1	6	1	6	7	13	10
______(313) FALL FROM ONE LEVEL TO ANOTHER	-	2	-	-	2	1	2	1

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES. SEE PAGE 10 FOR CODES.

TABLE 9 (CONCLUDED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
____(314) UNSPECIFIED FALL	2	-	3	-	3	5	10	17
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	1	-
____(316) ACCIDENTAL EXPLOSION	-	-	-	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	-	-	-	-	-	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	1	1	-	-	3	1
____(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	-	-	-	-
____(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-
____(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	1	-	1	-	-	-	-	1
____(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-
____ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	1	-	-	-	1	-	-	-
____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	-	-	-	1	-	-	-
____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-
____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-
____(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	2	3	2	6	4	5	5
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	4	-	6	-	5	1	9	-
____(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	-	1	-
____(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-
____(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	1	-	1	-
____(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	1	-
____(335) BY DISCHARGE OF FIREARMS	4	-	6	-	4	1	6	-
____(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	-	1	-	-	-	-	-	-
____(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-
____(340) BY DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
____(341) BY SHARP OBJECT	-	1	-	-	-	-	-	-
____(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	-	-	-	-	-	-	-	-
____(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
____(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-
____(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
____(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	-	-	-	-	-	-	-	-
____(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	1	1	1	-	-
____(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	-	-	-	-	1	-	-	-
____(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	-	-	-	1	-	-	-	-
____(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	1	-	-

* ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 358 LINE NUMBER ARE IN PARENTHESES - SEE PAGE 10 FOR CODES.

TABLE 10

FREQUENCY OF DEATH BY SEX, RACE* AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH	MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
ALL CAUSES	**4219**	**3986**	**216**	**15**	**4033**	**3853**	**167**	**13**
__(3) CERTAIN OTHER INTESTINAL INFECTIONS	2	1	1	-	2	2	-	-
__**(#) TUBERCULOSIS**	**2**	**1**	**1**	-	-	-	-	-
__(5) OTHER TUBERCULOSIS	2	1	1	-	-	-	-	-
__**(84) MENINGOCOCCAL INFECTION**	**1**	**1**	-	-	**1**	**1**	-	-
__**(94) SEPTICEMIA**	**29**	**27**	**2**	-	**41**	**40**	-	**1**
__**(144) VIRAL HEPATITIS**	**7**	**5**	**2**	-	**6**	**6**	-	-
__**(158 HUMAN IMMUNODEFICIENCY VIRUS (HIV)**	**4**	**4**	-	-	**1**	-	**1**	-
__(17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	6	6	-	-	6	4	2	-
(#) MALIGNANT NEOPLASMS	**1045**	**993**	**48**	**3**	**907**	**869**	**34**	**4**
__(18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	10	9	1	-	11	10	-	1
__(19) MALIGNANT NEOPLASM OF ESOPHAGUS	36	36	-	-	13	11	2	-
__(20) MALIGNANT NEOPLASM OF STOMACH	25	22	2	1	12	12	-	-
__(21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	105	99	6	-	80	73	7	-
__(22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	22	20	1	1	13	11	1	1
__(23) MALIGNANT NEOPLASMS OF PANCREAS	39	36	1	-	61	60	1	-
__(24) MALIGNANT NEOPLASM OF LARYNX	10	9	1	-	1	1	-	-
__(25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	322	302	19	1	256	243	12	1
__(26) MALIGNANT MELANOMA OF SKIN	19	19	-	-	16	16	-	-
__(27) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	124	122	1	1
__(28) MALIGNANT NEOPLASM OF CERVIX UTERI	-	-	-	-	7	7	-	-
__(29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS,PART UNSPECIFIED	-	-	-	-	23	23	-	-
__(30) MALIGNANT NEOPLASM OF OVERY	-	-	-	-	43	40	3	-
__(31) MALIGNANT NEOPLASM OF PROSTRATE	124	119	5	-	-	-	-	-
__(32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	30	29	1	-	13	13	-	-
__(33) MALIGNANT NEOPLASM OF BLADDER	39	39	-	-	15	14	1	-
__(34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	24	23	1	-	16	16	-	-
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	**128**	**121**	**5**	-	**92**	**92**	-	-
__(35) HODGKIN'S DISEASE	1	1	-	-	5	5	-	-
__(36) NON-HODGKIN'S LYMPHOMIA Non-Hodgkin's lymphoma	55	52	3	-	30	30	-	-
__(38) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	2488	2377	106	5	2768	2647	114	7
__(39) OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOETIC AND RELATED TISSUES	1	1	-	-	-	-	-	-
__(40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	114	108	6	-	111	105	6	-
__**(41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR**	**20**	**17**	**3**	-	**34**	**33**	**1**	-
__**(42#) ANEMIAS**	**9**	**9**	-	-	**10**	**8**	**1**	-
__**(43#) DIABETES MELLITUS**	**98**	**83**	**5**	-	**131**	**122**	**6**	**1**
(#) NUTRITIONAL DEFICIENCIES	**2**	**2**	-	-	**10**	**9**	**1**	-
__(44) MALNUTRITION	2	2	-	-	10	9	1	-
__**(464) MENINGITIS**	**3**	**3**	-	-	**1**	**1**	-	-
__**(47#) PAKINSON'S DISEASE**	**37**	**36**	**1**	-	**32**	**32**	-	-
__**(48#) ALZHEIMER'S DISEASE**	**83**	**82**	**1**	-	**165**	**164**	-	**1**
MAJOR CARDIOVASCULAR DISEASES	**1339**	**1298**	**36**	**5**	**1372**	**1332**	**38**	**2**
(#) DISEASES OF HEART	838	812	22	4	700	676	22	2
__(49) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	4	4	-	-	8	7	1	-
__(50) HYPERTENSIVE HEART DISEASE	14	12	1	1	20	20	-	-
__(51) HYPERTENSIVE HEART AND RENAL DISEASE	-	-	-	-	1	1	-	-
ISCHEMIC HEART DISEASES	-	-	-	-	1	1	-	-
__(52) ACUTE MYOCARDIAL INFARCTION	300	267	11	2	176	170	6	-
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	**366**	**356**	**10**	-	**307**	**296**	**9**	**2**
__(54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	74	72	2	-	70	67	3	-
__(55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	292	284	6	-	237	229	6	2
__(59) ALL OTHER FORMS OF HEART DISEASE	196	196	2	-	226	219	7	-
__**(60#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSIVE RENAL RENAL DISEASE**	**22**	**21**	**1**	-	**25**	**23**	**2**	-
__**(61#) CEREBROVASCULAR DISEASES**	**213**	**204**	**9**	-	**364**	**357**	**7**	-
__**(62#)ATHEROSCLEROSIS**	**22**	**22**	-	-	**19**	**19**	-	-
__OTHER DISEASES OF CIRCULATORY SYSTEM	46	43	2	1	38	38	-	-
__**(63#) AORTIC ANEURYSM AND DISSECTION**	**27**	**24**	**2**	**1**	**22**	**22**	-	-
__(64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	19	19	-	-	16	16	-	-
__(65) OTHER DISORDERS OF CIRCULATORY SYSTEM	9	9	-	-	7	7	-	-
__**(#) INFLUENZA AND PNEUMONIA**	**87**	**81**	**6**	-	**107**	**99**	**8**	-
__(66) INFLUENZA	2	2	-	-	1	1	-	-
__(67) PNEUMONIA	85	79	6	-	106	98	8	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 113 LINE NUMBERS ARE IN PARENTHESES. RANKABLE CAUSE-OF-DEATH ARE DESIGNATED BY A "#" SIGN. SEE PAGE 22 FOR CODES.

TABLE 10, CONCLUDED

FREQUENCY OF DEATH BY SEX, RACE* AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2001

CAUSE OF DEATH	MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
(#) CHRONIC LOWER RESPIRATORY DISEASE	306	296	10	-	277	266	11	-
(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	1	1	-	-	1	1	-	-
(71) EMPHYSEMIA	38	35	3	-	33	31	2	-
(72) ASTHMA	8	7	1	-	8	7	1	-
(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	259	253	6	-	235	227	8	-
(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	5	5	-	-	1	1	-	-
(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	34	34	-	-	28	25	2	1
(76) OTHER DISEASES OF RESPIRATORY SYSTEM	51	49	2	-	57	56	1	-
(77#) PEPTIC ULCER	9	8	1	-	15	14	1	-
(78#) DISEASES OF APPENDIX	1	1	-	-	1	1	-	-
(79#) HERNIA	4	4	-	-	2	2	-	-
(#) CHRONIC LIVER DISEASE AND CIRRHOSIS	64	48	16	-	39	28	11	-
(80) ALCOHOLIC LIVER DISEASE	41	30	11	-	24	15	9	-
(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	23	18	5	-	15	13	2	-
(82#) CHOLETITHIASIS AND OTHER DISORDERS OF GALLBLADDER	7	7	-	-	7	7	-	-
(#) NEPHRITIS, NEPHROTICSYNDROM AND NEPHROSIS	70	68	2	-	57	54	3	-
(83) ACUTE AND RAPIDLY PROGRASSIVE NEPHRITIC AND NEPHROTIC SYNDROME	2	2	-	-	2	2	-	-
(84) CHRONIC GLOMERULONEPHRITIS-NEPHRITIS NOT SPECIFIED AS ACUTE OR CHRONIC, RENAL SCLEROSIS UNSPECIFIED	-	-	-	-	1	1	-	-
(85) RENAL FAILURE	68	66	2	-	54	51	3	-
(87#) INFECTIONS OF KIDNEY	2	2	-	-	2	1	1	-
(88#) HYPERPLASIA OF PROSTATE	3	3	-	-	-	-	-	-
(#) PREGNANCY, CHILDBIRTH AND THE PUERPIUM	-	-	-	-	2	2	-	-
(91) OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	2	2	-	-
(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	12	10	2	-	12	11	1	-
(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	26	25	1	-	12	10	1	1
(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHER E CLASSIFIED	57	50	6	1	96	92	3	1
(95) ALL OTHER DISEASES (RESIDUAL)	278	258	19	1	391	373	18	-
(#) ACCIDENTS	315	276	36	3	153	135	17	1
TRANSPORT ACCIDENTS	156	126	29	1	69	62	6	1
(96) MOTOER VEHICLE ACCIDENTS	144	114	29	1	65	58	6	1
(97) OTHER LAND TRANSPORT ACCIDENTS	3	3	-	-	1	1	-	-
(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	9	9	-	-	3	3	-	-
NONTRANSPORT ACCIDENTS	157	148	7	2	83	72	11	-
(#) INTENTIAL SELF-HARM (SUICIDE)	149	141	7	1	27	26	1	-
(105) INTENTIAL SELF-HARM (SUICIDE) BY DISCHARGE OF FIEARMS	116	109	6	1	16	16	-	-
(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	33	32	1	-	11	10	1	-
(#) ASSAULT (HOMICIDE)	21	15	5	1	10	8	1	-
(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	12	10	1	1	7	6	1	-
(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	9	5	4	-	3	3	-	-
(109#) LEGAL INTERVENTION	1	1	-	-	-	-	-	-
EVENTS OF UNDETERMINED INTENT	18	15	3	-	6	6	-	-
(110) DISCHARGE OF FIREARMS, UNDETERMINED INTENT	3	3	-	-	-	-	-	-
(113#) COMPLICATIONS OF MEDICAL AND SURGICAL CARE	3	2	1	-	5	4	1	-

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TABLE 11

FREQUENCY OF DEATH FROM SELECTED CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY	ICD 9 / ICD 10 TOTAL	800-949 / V01-X59, Y85-Y86 ACCIDENTS	540-543 / K35-K38 APPENDICITIS	140-208 / C00-C97 CANCER	430-438 / I60-I69 CEREBROVASCULAR DISEASE*	250 / E10-E14 DIABETES	390-398, 402, 404, 410-429 / I00-I09, I11, I13, I20-I51 HEART DISEASE	487 / J10-J18 INFLUENZA	320-322 / G00 G03 MENINGITIS	360-369 / A39 MENINGOCOCCAL	580-589 / N00-N07, N17-N19, N25-N27 NEPHRITIS	480-486 / J12-J18 PNEUMONIA	045, 138 / A80, B91 POLIOMYELITIS	010-018, 137 / A16-A19, B90 TUBERCULOSIS	ALL OTHER CAUSES
MONTANA TOTAL	**8,252**	**468**	-	**1,952**	**577**	**229**	**1,962**	**3**	**4**	**2**	**127**	**191**	**1**	**3**	**2,733**
BEAVERHEAD	97	7	-	25	7	1	17	-	-	-	1	4	-	-	35
BIG HORN	93	12	-	23	6	5	13	-	-	-	3	3	-	-	28
BLAINE	81	8	-	21	5	2	14	-	-	-	1	2	-	-	28
BROADWATER	46	2	-	7	1	2	13	-	-	-	2	2	-	-	17
CARBON	87	3	-	23	6	1	20	-	-	-	4	4	-	-	26
CARTER	16	3	-	3	-	1	6	-	-	-	-	-	-	-	3
CASCADE	784	49	-	181	53	25	176	-	-	-	12	14	-	-	274
CHOUTEAU	61	2	-	17	5	1	15	-	-	-	-	-	-	-	21
CUSTER	135	3	-	38	7	1	35	-	-	-	2	1	-	-	48
DANIELS	26	1	-	7	1	-	8	-	-	-	2	1	-	-	6
DAWSON	101	7	-	25	3	1	19	-	-	-	6	3	-	-	37
DEER LODGE	142	7	-	26	7	6	31	-	-	-	4	2	-	-	59
FALLON	33	1	-	8	2	1	9	-	-	-	-	1	-	-	11
FERGUS	160	5	-	42	9	3	39	-	-	-	7	6	-	-	49
FLATHEAD	649	42	-	151	49	15	177	-	-	-	10	12	-	1	192
GALLATIN	355	23	-	68	33	10	89	-	1	-	5	9	-	-	117
GARFIELD	13	1	-	3	2	2	3	-	-	-	-	1	-	-	1
GLACIER	98	8	-	26	5	2	19	-	-	-	2	4	-	-	32
GOLDEN VALLEY	7	1	-	3	-	-	1	-	-	-	-	-	-	-	2
GRANITE	29	2	-	8	2	1	10	-	-	-	1	-	-	-	5
HILL	165	10	-	39	8	5	49	-	-	-	1	4	-	-	49
JEFFERSON	101	6	-	27	7	4	22	-	-	-	1	2	-	-	32
JUDITH BASIN	17	2	-	3	1	-	8	-	-	-	-	-	-	-	3
LAKE	254	22	-	56	21	4	62	1	-	-	5	4	-	-	79
LEWIS & CLARK	488	22	-	137	29	11	96	-	-	-	9	16	-	-	168
LIBERTY	23	1	-	7	2	2	4	-	-	-	-	-	-	-	7
LINCOLN	181	16	-	43	15	6	43	-	-	-	1	1	-	-	56
MCCONE	15	1	-	3	3	-	2	-	-	-	-	-	-	-	6
MADISON	74	1	-	10	6	-	31	-	-	-	2	1	-	-	23
MEAGHER	14	1	-	3	2	-	5	-	-	-	-	-	-	-	3
MINERAL	39	4	-	10	2	2	6	-	-	-	1	-	-	-	14
MISSOULA	667	44	-	163	37	20	130	-	-	1	8	26	1	1	236
MUSSELSHELL	59	3	-	16	4	2	17	-	-	-	-	-	-	-	17
PARK	150	10	-	43	9	7	31	-	-	-	3	3	-	-	44
PETROLEUM	5	1	-	-	-	-	2	-	-	-	-	-	-	-	2
PHILLIPS	61	1	-	12	8	2	18	-	-	1	2	3	-	-	14
PONDERA	72	5	-	15	3	2	11	-	1	-	3	1	-	-	31
POWDER RIVER	20	2	-	6	-	-	1	-	-	-	1	-	-	-	10
POWELL	72	5	-	17	2	3	8	-	-	-	1	2	-	-	34
PRAIRIE	18	1	-	6	1	-	5	-	-	-	1	1	-	-	3
RAVALLI	357	19	-	94	26	5	86	-	-	-	8	6	-	-	113
RICHLAND	105	6	-	21	9	3	32	-	-	-	1	3	-	-	30
ROOSEVELT	114	10	-	25	8	6	25	-	-	-	1	2	-	-	37
ROSEBUD	65	2	-	11	4	1	23	-	-	-	-	3	-	1	20
SANDERS	110	8	-	26	8	2	27	-	-	-	-	-	-	-	39
SHERIDAN	68	1	-	20	6	4	17	-	-	-	1	3	-	-	16
SILVER BOW	424	11	-	99	30	12	113	1	-	-	5	9	-	-	144
STILLWATER	71	4	-	18	5	3	21	-	-	-	-	2	-	-	18
SWEET GRASS	40	2	-	9	6	1	4	-	-	-	-	2	-	-	16
TETON	63	6	-	18	6	5	12	-	-	-	-	2	-	-	14
TOOLE	49	1	-	13	2	2	14	-	-	-	1	-	-	-	16
TREASURE	6	-	-	2	1	-	-	-	-	-	-	-	-	-	3
VALLEY	95	5	-	22	3	3	26	1	-	-	2	5	-	-	28
WHEATLAND	27	2	-	3	3	-	9	-	-	-	-	1	-	-	9
WIBAUX	23	-	-	3	1	-	11	-	-	-	-	1	-	-	7
YELLOWSTONE	1,127	46	-	247	96	32	277	-	2	-	7	19	-	-	401
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* INCLUDES "STROKE."

TABLE 12

FREQUENCY OF INFANT DEATH BY UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2001

CAUSE OF DEATH (NCHS LIST 130)*	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS				28 DAYS TO LESS THAN 1 YEAR			
	TOTAL	WHITE RACE	NAT. AM.	OTHER RACES	TOTAL	WHITE RACE	NAT. AM.	OTHER RACES	TOTAL	WHITE RACE	NAT. AM.	OTHER RACES	TOTAL	WHITE RACE	NAT. AM.	OTHER RACES
ALL CAUSES	73	63	10		36	36	2		10	9	1		25	16	7	
CERTAIN INFECTIOUS AND PARASITIC DISEASES	1	1											1	1		
___(84) SEPTICEMIA	1	1											1	1		
DISEASES OF THE NERVOUS SYSTEM	2	2			1	1							1	1		
__(374) OTHER DISEASES OF NERVOUS SYSTEM	2	2			1	1							1	1		
(#) DISEASES OF THE CIRCULATORY SYSTEM	2	2			1	1							1	1		
____(444) ALL OTHER DISEASES OF CIRCULATORY SYSTEM	2	2			1	1							1	1		
DISEASES OF THE RESPIRATORY SYSTEM	2	2			1	1							1	1		
____(#) INFLUENZA AND PNEUMONIA	2	2			1	1							1	1		
_____(474) PNEUMONIA	2	2			1	1							1	1		
DISEASES OF THE DIGESTIVE SYSTEM	1	1											1	1		
____(55) ALL OTHER AND UNSPECIFIED DISEASES OF THE DIGESTIVE SYSTEM	1	1											1	1		
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	24	21	3		20	16	2		4	3	1					
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	7	7			7	7										
__(588) NEWBORN AFFECTED BY MATERNAL HYPERTENSIVE DISORDERS	1	1			1	1										
__(#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	3	3			3	3										
__(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	2	2			2	2										
__(638) NEWBORN AFFECTED BY OTHER MATERNAL COMPLICATIONS OF PREGNANCY	1	1			1	1										
__(#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	3	3			3	3										
__(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	3	3			3	3										
__(66) NEWBORN AFFECTED BY CHORIOAMNIONITIS	1		1						1		1					
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	9	7	2		8	7	1		1		1					
__(704) SLOW FETAL GROWTH AND FETAL MALNUTRITION	1		1						1		1					
__(71) EXTREAMLY LOW BIRTH WEIGHT OR EXTREAM IMMATURITY	5	4	1		5	4	1									
__(72) OTHER LOW BIRTH WEIGHT OR PRETERM	3	3			3	3										
(#) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	1	1			1	1										
__(75) INTRAUTERINE HYPOXIA	1	1			1	1										
__(77#) RESPIRATORY DISTRESS OF NEWBORN	1		1		1		1									
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	2			2	2										
__(85#) BACTERIAL SEPSIS OF THE NEWBORN	1	1			1	1										
(87) ALL OTHER INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	1			1	1										
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	1	1							1	1						
__(884) NEONATAL HEMORAGE	1	1							1	1						
__(93#) NECROTIZING ENTERCOLITIS OF NEWBORN	1	1							1	1						
__(944) HYDROPS FETALIS NOT DUE TO HEMOLYTIC DISEASE	1	1			1	1										
__(95) OTHER PERINATAL CONDITIONS	1	1							1	1						
(#) CONGENITAL MALFORMATIONS, DEFORMATIES AND CHROMOSOMAL ABNORMALITIES	21	21			15	15			3	3			3	3		
__(97) CONGENITAL HYDROCEPHALUS	1	1							1	1						
__(99) OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	1	1			1	1										
__(100) CONGENITAL MALFORMATIONS OF THE HEART	7	7			3	3			1	1			3	3		
__(101) OTHER CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	1	1			1	1										
__(103) CONGENITAL MALFORMATIONS OF DIGESTIVE SYSTEM	1	1			1	1										
__(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	3	3			3	3										
__(105) CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	2	2			2	2										
__(107) EDWARD'S SYNDROME	2	2			2	2										
__(106) PATAU'S SYNDROME	2	2			2	2										
__(109) OTHER CONGENITAL MALFORMATIONS AND DEFORMATIONS	1	1							1	1						
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	14	9	5						3	3			11	6	5	
__(111#) SUDDEN INFANT DEATH SYNDROME	5	2	3										5	2	3	
EXTERNAL CAUSES OF MORTALITY	6	4	2										6	4	2	
(#) ACCIDENTS	4	3	1										4	3	1	
TRANSPORT ACCIDENTS	1		1										1		1	
__(114) MOTOR VEHICLE ACCIDENTS	1		1										1		1	
__(116) FALLS	1	1											1	1		
__(118) ACCIDENTAL DROWNING AND SUBMERSSION	1	1											1	1		
__(119) ACCIDENTAL SUFFICATION AND STRANGULATION IN BED	1	1											1	1		
(#) ASSAULT (HOMICIDE)	1		1										1		1	
__(125) ASAULT (HOMICIDE) BY HANGING, STRANGULATION AND SUFFICATION	1		1										1		1	
__(130) OTHER EXTERNAL CAUSES AND THEIR SEQUELAE	2	1	1										2	1	1	

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL ICD-10 SELECTED CAUSE-OF-DEATH LIST OF 130 LINE NUMBERS ARE IN PARENTHESES. RANKABLE CAUSE-OF-DEATH ARE DESIGNATED BY A "#" SIGN. SEE PAGE 26 FOR CODES.

TABLE 13

FREQUENCY OF INFANT MORTALITY BY AGE, RACE* AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 28 DAYS			29 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 1997-2001		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATE
MONTANA TOTAL	73	63	10	38	36	2	9	8	1	26	19	7	362	54,240	6 7
BEAVERHEAD	-	-	-	-	-	-	-	-	-	-	-	-	2	492	4 1
BIG HORN	4	2	2	1	1	-	-	-	-	3	1	2	14	1,219	11 5
BLAINE	1	-	1	-	-	-	1	-	1	-	-	-	6	534	11 2
BROADWATER	1	1	-	1	1	-	-	-	-	-	-	-	3	191	15 7
CARBON	1	1	-	1	1	-	-	-	-	-	-	-	6	439	13 7
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
CASCADE	7	5	2	2	1	1	1	1	-	4	3	1	43	5,320	8 1
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-	-	209	-
CUSTER	2	2	-	-	-	-	1	1	-	1	1	-	3	673	4 5
DANIELS	1	1	-	1	1	-	-	-	-	-	-	-	2	81	24 7
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	2	462	4 3
DEER LODGE	1	1	-	1	1	-	-	-	-	-	-	-	2	453	4 4
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	-	141	-
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	8	557	14 4
FLATHEAD	5	5	-	3	3	-	2	2	-	-	-	-	30	4,616	6 5
GALLATIN	5	5	-	3	3	-	-	-	-	2	2	-	17	3,913	4 3
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-
GLACIER	-	-	-	-	-	-	-	-	-	-	-	-	8	1,166	6 9
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	61	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	128	-
HILL	1	-	1	-	-	-	-	-	-	1	-	1	9	1,370	6 6
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	443	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	1	92	10 9
LAKE	5	4	1	2	2	-	1	1	-	2	1	1	21	1,682	12 5
LEWIS & CLARK	4	4	-	2	2	-	-	-	-	2	2	-	16	3,305	4 8
LIBERTY	1	1	-	1	1	-	-	-	-	-	-	-	1	109	9 2
LINCOLN	1	1	-	1	1	-	-	-	-	-	-	-	7	913	7 7
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	3	296	10 1
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	1	113	8 8
MINERAL	1	1	-	1	1	-	-	-	-	-	-	-	1	198	5 1
MISSOULA	1	1	-	-	-	-	1	1	-	-	-	-	27	5,416	5 0
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	5	230	21 7
PARK	-	-	-	-	-	-	-	-	-	-	-	-	2	874	2 3
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-
PHILLIPS	1	1	-	1	1	-	-	-	-	-	-	-	1	215	4 7
PONDERA	1	-	1	1	-	1	-	-	-	-	-	-	5	371	13 5
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-
POWELL	2	2	-	1	1	-	-	-	-	1	1	-	3	315	9 5
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-
RAVALLI	5	5	-	3	3	-	-	-	-	2	2	-	11	1,966	5 6
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-	2	539	3 7
ROOSEVELT	2	-	2	-	-	-	-	-	-	2	-	2	8	1,014	7 9
ROSEBUD	-	-	-	-	-	-	-	-	-	-	-	-	9	781	11 5
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-	5	520	9 6
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-
SILVER BOW	1	1	-	1	1	-	-	-	-	-	-	-	9	1,953	4 6
STILLWATER	-	-	-	-	-	-	-	-	-	-	-	-	1	417	2 4
SWEET GRASS	1	1	-	-	-	-	1	1	-	-	-	-	1	187	5 3
TETON	1	1	-	1	1	-	-	-	-	-	-	-	3	343	8 7
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-
WHEATLAND	1	1	-	-	-	-	-	-	-	1	1	-	3	127	23 6
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
YELLOWSTONE	16	16	-	10	10	-	1	1	-	5	5	-	61	8,432	7 2
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
\+ PER 1,000 LIVE BIRTHS.

TABLE 14

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2001

ICD-9	051		032		487		055		036	
ICD-10	A05		A36		J10-J11		B05		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	-	-	61	16 2	24	6 4	16	4 3	1	0.3
1915	5	1.1	21	4.5	41	8 8	7	1.5	7	1.5
1920	4	0 7	32	5.8	304	55 4	27	4 9	15	2.7
1925	6	1.1	34	6.3	109	20.1	5	0.9	5	0 9
1930	7	1 3	4	0.7	102	19 0	12	2 2	22	4.1
1935	3	0 5	14	2.5	173	31 5	49	8.9	15	2.7
1940	2	0.4	6	1.1	77	13 8	5	0.9	6	1.1
1945	1	0 2	4	0 8	47	9 3	1	0 2	3	0 6
1946	1	0.2	5	1.0	25	4 8	3	0 6	3	0.6
1947	1	0 2	2	0.4	33	6 1	13	2.4	3	0 6
1948	3	0.5	3	0.5	13	2 3	12	2 2	1	0 2
1949	2	0 3	3	0 5	13	2 3	3	0 5	3	0 5
1950	-	-	2	0 3	23	3 9	-	-	1	0 2
1951	2	0 3	-	-	30	5 0	9	1.5	5	0 8
1952	-	-	1	0.2	22	3 7	4	0.7	4	0 7
1953	-	-	3	0.5	59	9 6	4	0 6	2	0 3
1954	-	-	3	0.5	6	1 0	5	0 8	6	1 0
1955	-	-	1	0 2	12	1 9	4	0 6	5	0 8
1956	-	-	1	0 2	4	0 6	1	0 2	7	1 1
1957	-	-	1	0.1	25	3 7	3	0 4	3	0 4
1958	-	-	-	-	14	2 1	2	0.3	4	0 6
1959	-	-	-	-	15	2 2	5	0 7	3	0 4
1960	-	-	-	-	37	5 5	1	0 1	3	0 4
1961	-	-	-	-	8	1 2	1	0.1	1	0 1
1962	-	-	-	-	12	1.7	-	-	4	0 6
1963	-	-	-	-	31	4 4	-	-	3	0.4
1964	1	0 1	-	-	29	4 1	2	0 3	2	0 3
1965	-	-	-	-	5	0 7	-	-	3	0 4
1966	1	0 1	-	-	49	7 0	-	-	2	0.3
1967	-	-	-	-	3	0 4	-	-	2	0 3
1968	-	-	-	-	30	4 3	-	-	2	0 3
1969	-	-	-	-	38	5 5	2	0 3	2	0.3
1970	-	-	2	0.3	8	1 2	-	-	1	0 1
1971	-	-	-	-	9	1 3	2	0 3	2	0 3
1972	-	-	-	-	15	2 1	-	-	2	0.3
1973	-	-	-	-	43	6 0	-	-	2	0 3
1974	-	-	-	-	11	1 5	-	-	1	0 1
1975	-	-	-	-	17	2 3	-	-	-	-
1976	-	-	-	-	95	12 6	-	-	-	-
1977	-	-	-	-	9	1 2	-	-	2	0 3
1978	-	-	-	-	19	2 4	-	-	2	0 3
1979	-	-	-	-	4	0 5	-	-	4	0 5
1980	-	-	-	-	24	3 1	-	-	-	-
1981	1	0 1	-	-	10	1 3	-	-	1	0 1
1982	-	-	-	-	8	1 0	-	-	1	0 1
1983	-	-	-	-	26	3 2	-	-	1	0 1
1984	-	-	-	-	19	2.3	-	-	-	-
1985	-	-	-	-	24	2 9	-	-	3	0 4
1986	-	-	-	-	24	2 9	-	-	-	-
1987	-	-	-	-	9	1 1	-	-	-	-
1988	-	-	-	-	21	2 6	-	-	-	-
1989	-	-	-	-	19	2 4	-	-	-	-
1990	-	-	-	-	15	1 9	-	-	2	0 3
1991	-	-	-	-	7	0 9	-	-	-	-
1992	-	-	-	-	7	0 8	-	-	-	-
1993	-	-	-	-	13	1 5	-	-	-	-
1994	-	-	-	-	15	1 8	-	-	1	0 1
1995	-	-	-	-	6	0 7	-	-	1	0.1
1996	-	-	-	-	11	1 3	-	-	2	0 2
1997	-	-	-	-	1	0 1	-	-	-	-
1998	-	-	-	-	60	6 8	-	-	-	-
1999	-	-	-	-	35	4 0	-	-	1	0 1
2000	-	-	-	-	1	0 1	-	-	-	-
2001	-	-	-	-	3	0 3	-	-	2	0 2

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2001

ICD-9	045 138		082.0		137 010-018		002.0		033	
ICD-10	A80		A77		A16-A19		A010		A37	
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	17	4.5	-	-	340	90.4	151	40.2	41	10.9
1915	1	0.2	8	1.7	530	113.2	57	12.2	36	7.7
1920	5	0.9	7	1.3	419	76.4	27	4.9	51	9.3
1925	6	1.1	11	2.0	396	73.0	24	4.4	63	11.6
1930	6	1.1	9	1.7	337	62.7	16	3.0	18	3.0
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	-	6	1.1
1949	13	2.3	-	-	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	-	10	1.7
1951	6	1.0	-	-	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	-	77	12.5	-	-	4	0.6
1954	9	1.4	-	-	62	9.9	-	-	1	0.2
1955	8	1.3	-	-	50	7.9	-	-	1	0.2
1956	-	-	-	-	48	7.3	-	-	1	0.2
1957	2	0.3	-	-	68	10.2	-	-	2	0.3
1958	5	0.8	-	-	45	6.8	-	-	-	-
1959	2	0.3	-	-	37	5.5	-	-	-	-
1960	7	1.0	1	0.1	31	4.6	-	-	1	0.1
1961	1	0.1	-	-	24	3.5	1	0.1	-	-
1962	-	-	-	-	32	4.5	-	-	-	-
1963	-	-	-	-	27	3.8	-	-	-	-
1964	-	-	-	-	28	4.0	1	0.1	-	-
1965	-	-	-	-	22	3.1	-	-	-	-
1966	-	-	-	-	21	3.0	-	-	-	-
1967	-	-	-	-	17	2.4	-	-	-	-
1968	1	0.1	-	-	15	2.2	-	-	-	-
1969	-	-	-	-	16	2.3	-	-	-	-
1970	-	-	-	-	12	1.7	-	-	-	-
1971	1	0.1	-	-	10	1.4	-	-	1	0.1
1972	-	-	-	-	11	1.5	-	-	-	-
1973	-	-	-	-	13	1.8	-	-	-	-
1974	1	0.1	-	-	17	2.3	-	-	-	-
1975	1	0.1	1	0.1	13	1.7	-	-	-	-
1976	-	-	-	-	9	1.2	-	-	-	-
1977	-	-	-	-	4	0.5	-	-	-	-
1978	1	0.1	-	-	11	1.4	-	-	-	-
1979	-	-	-	-	5	0.6	-	-	-	-
1980	-	-	-	-	6	0.8	-	-	-	-
1981	-	-	-	-	7	0.9	-	-	-	-
1982	-	-	-	-	7	0.9	-	-	-	-
1983	1	0.1	-	-	1	0.1	-	-	-	-
1984	2	0.2	-	-	10	1.2	-	-	-	-
1985	-	-	-	-	5	0.6	-	-	1	0.1
1986	-	-	-	-	5	0.6	-	-	-	-
1987	-	-	-	-	4	0.5	-	-	-	-
1988	1	0.1	-	-	2	0.2	-	-	-	-
1989	2	0.2	-	-	5	0.6	-	-	-	-
1990	-	-	-	-	2	0.3	-	-	-	-
1991	1	0.1	-	-	4	0.5	-	-	-	-
1992	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	2	0.2	-	-	-	-
1994	-	-	-	-	6	0.7	-	-	-	-
1995	2	0.2	-	-	2	0.2	-	-	-	-
1996	2	0.2	-	-	1	0.1	-	-	1	0.1
1997	1	0.1	-	-	2	0.2	-	-	-	-
1998	1	0.1	-	-	4	0.5	-	-	-	-
1999	1	0.1	-	-	3	0.3	-	-	-	-
2000	1	0.1	-	-	2	0.2	-	-	-	-
2001	1	0.1	-	-	3	0.3	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED CAUSES BY YEAR*
MONTANA, 1910-2001*

ICD-09			810-825		800-807 826-849		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10.9 G31.2		C00-C97.9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136.7	5	1.3	509	135.4	56	14.9	157	41.7
1915	556	118.8	31	6.6	525	112.2	66	14.1	223	47.6
1920	473	86.3	45	8.2	428	78.1	10	1.8	282	51.4
1925	505	93.0	98	18.1	407	75.0	41	7.6	379	69.8
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1945	498	98.7	118	23.4	380	75.3	13	2.6	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	871	139.6
1955	549	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	931	141.9
1957	541	81.1	219	32.8	322	48.3	20	3.0	873	130.9
1958	497	74.6	206	30.9	291	43.7	18	2.7	838	125.8
1959	565	84.5	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,004	143.2
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,050	147.9
1972	635	88.3	360	50.1	275	38.2	17	2.4	1,122	156.1
1973	611	84.7	324	44.9	287	39.8	20	2.8	1,061	147.2
1974	559	76.1	272	37.0	287	39.0	14	1.9	1,130	153.7
1975	584	78.1	282	37.7	302	40.4	28	3.7	1,105	147.7
1976	579	76.9	291	38.6	288	38.2	23	3.1	1,191	158.2
1977	574	75.4	302	39.7	272	35.7	25	3.3	1,184	155.6
1978	558	71.1	276	35.2	282	35.9	23	2.9	1,233	157.1
1979	596	75.8	313	39.8	283	36.0	22	2.8	1,246	157.8
1980	570	72.5	311	39.5	259	32.9	25	3.2	1,291	164.1
1981	553	69.7	308	38.8	245	30.9	32	4.0	1,343	169.4
1982	471	58.8	236	29.5	235	29.3	30	3.7	1,384	172.8
1983	516	63.2	267	32.7	249	30.5	16	2.0	1,350	165.2
1984	440	53.4	233	28.3	207	25.1	18	2.2	1,467	178.0
1985	417	50.5	210	25.4	207	25.1	20	2.4	1,445	174.9
1986	403	49.2	228	27.8	175	21.4	27	3.3	1,475	180.1
1987	416	51.4	223	27.6	193	23.9	22	2.7	1,516	187.4
1988	368	45.7	200	24.8	168	20.9	22	2.7	1,561	193.9
1989	360	44.7	171	21.2	189	23.5	16	2.0	1,593	197.7
1990	398	49.8	210	26.3	188	23.5	21	2.6	1,630	204.0
1991	384	47.5	183	22.6	201	24.9	19	2.4	1,656	205.0
1992	399	48.4	182	22.1	217	26.3	29	3.5	1,710	207.6
1993	375	44.7	182	21.7	193	23.0	26	3.1	1,738	207.2
1994	391	45.7	192	22.4	199	23.2	31	3.6	1,740	203.2
1995	374	43.0	191	21.9	183	21.0	21	2.4	1,765	202.8
1996	396	45.0	191	21.7	205	23.3	23	2.6	1,762	200.4
1997	443	50.4	230	26.2	213	24.2	18	2.0	1,779	202.4
1998	463	52.6	219	24.9	244	27.7	34	3.9	1,816	206.3
1999	461	52.2	191	21.6	270	30.6	22	2.5	1,845	209.0
2000	484	53.6	228	25.3	256	28.4	29	3.2	1,861	206.3
2001	468	51.7	209	23.1	259	28.6	35	3.9	1,952	215.8

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5 V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.3-X59, Y85-Y86

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED CAUSES BY YEAR*
MONTANA, 1910-2001*

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-C14 9		I00-I09 9, I11, I13, I120-I51		X85-Y09 9 Y87 1		N00-N07 9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10 1	257	68 3	37	9 8	222	59 0	282	75.0	81	21.5
1915	65	13 9	407	87.0	53	11.3	339	72 4	511	109.2	103	22 0
1920	60	10 9	428	78 1	46	8 4	273	49 8	576	105.0	86	15.7
1925	64	11 8	672	123 8	51	9 4	301	55.4	437	80 5	102	18 8
1930	87	16 2	759	141 2	57	10 6	395	73 5	425	79 1	136	25 3
1935	112	20 4	1,299	236 6	34	6 2	355	64 7	674	122 8	96	17 5
1940	109	19 5	1,447	258 6	29	5.2	295	52 7	321	57 4	120	21 4
1945	129	25 6	1,603	317 7	19	3 8	279	55 3	196	38 8	79	15 7
1946	137	26 3	1,629	312 1	22	4 2	276	52 9	235	45 0	98	18 8
1947	130	24 1	1,690	313 4	14	2 6	266	49 3	223	41 4	96	17 8
1948	118	21 2	1,803	324 0	15	2 7	247	44 4	189	34 0	88	15 8
1949	102	17 8	2,002	348 9	21	3 7	129	22 5	144	25 1	89	15 5
1950	49	8 3	1,957	331 1	24	4.1	80	13.5	157	26 6	123	20 8
1951	58	9 7	2,159	362 2	15	2.5	85	14 3	121	20 3	85	14 3
1952	83	13 8	2,032	337 5	17	2 8	120	19 9	147	24 4	84	14 0
1953	73	11 9	2,164	351 3	23	3 7	77	12.5	180	29 2	106	17.2
1954	95	15 2	2,128	341 0	29	4 6	90	14 4	179	28.7	104	16 7
1955	108	17 0	2,116	332 7	21	3 3	94	14 8	155	24 4	79	12 4
1956	98	14 9	2,165	330.0	32	4 9	83	12 7	211	32 2	98	14 9
1957	118	17.7	2,290	343 3	23	3 4	71	10 6	249	37 3	105	15.7
1958	109	16 4	2,244	336 9	17	2 6	53	8 0	260	39.0	101	15.2
1959	123	18 4	2,382	356.1	29	4 3	58	8 7	231	34 5	97	14 5
1960	102	15 1	2,332	345 6	25	3.7	51	7.6	227	33 6	107	15 9
1961	117	17 2	2,269	332.7	21	3.1	41	6 0	219	32 1	96	14 1
1962	121	17 1	2,204	310.9	21	3 0	63	8 9	195	27 5	110	15 5
1963	125	17.7	2,340	331 0	22	3.1	42	5 9	218	30 8	115	16 3
1964	139	19 7	2,368	335 9	30	4 3	45	6 4	226	32.1	80	11.3
1965	114	16 1	2,297	325 4	20	2 8	35	5.0	198	28 0	94	13 3
1966	106	15 1	2,415	344 0	23	3.3	42	6 0	230	32 8	96	13 7
1967	143	20 4	2,297	327 7	31	4 4	38	5 4	196	28 0	100	14 3
1968	119	17 2	2,223	320 8	25	3 6	20	2 9	213	30 7	97	14 0
1969	117	16 9	2,297	331 0	31	4 5	21	3 0	201	29 0	91	13 1
1970	111	16 0	2,229	321.0	30	4 3	26	3 7	213	30 7	79	11 4
1971	120	16 9	2,339	329 4	43	6 1	19	2 7	210	29 6	117	16 5
1972	135	18 8	2,294	319 1	32	4 5	17	2 4	220	30 6	87	12 1
1973	126	17.5	2,300	319 0	46	6 4	27	3 7	236	32 7	108	15 0
1974	103	14 0	2,202	299 6	44	6 0	20	2.7	192	26 1	122	16 6
1975	122	16 3	2,178	291 2	42	5 6	19	2 5	185	24 7	112	15.0
1976	100	13 3	2,178	289 2	38	5 0	17	2 3	207	27 5	129	17 1
1977	89	11.7	2,149	282 4	53	7.0	24	3 2	144	18 9	143	18 8
1978	114	14.5	2,169	276 3	40	5 1	20	2 5	199	25 4	122	15 5
1979	94	12 0	2,302	292 9	39	5.0	46	5 9	143	18 2	123	15 6
1980	103	13 1	2,332	296 4	40	5.1	43	5.5	169	21.5	116	14 7
1981	95	12 0	2,279	287 4	47	5.9	70	8 8	171	21 6	137	17 3
1982	115	14 4	2,236	279 2	36	4.5	57	7 1	196	24 5	126	15 7
1983	103	12 6	2,241	274 3	33	4 0	62	7 6	219	26 8	143	17 5
1984	113	13 7	2,270	275 5	37	4 5	57	6 9	204	24 8	137	16 6
1985	123	14 9	2,201	266 5	49	5 9	58	7.0	211	25 5	144	17 4
1986	109	13 3	2,196	268.1	41	5 0	40	4 9	205	25.0	181	22 1
1987	116	14 3	2,109	260 7	39	4 8	60	7 4	192	23 7	159	19 7
1988	154	19 1	2,057	255 5	35	4 3	60	7 5	219	27 2	153	19 0
1989	170	21 1	2,019	250.6	32	4 0	47	5.8	224	27 8	159	19 7
1990	154	19 3	1,947	243 7	37	4 6	48	6 0	213	26 7	167	20 9
1991	181	22 4	1,944	240 6	36	4 5	51	6 3	245	30.3	167	20.7
1992	164	19 9	1,904	231 2	35	4 2	56	6 8	259	31 4	151	18 3
1993	191	22 8	2,110	251 5	39	4 6	59	7 0	249	29 7	154	18 4
1994	215	25 1	1,907	222 7	34	4 0	76	8 9	276	32 2	159	18 6
1995	210	24 1	2,003	230 2	45	5 2	58	6 4	313	36 0	197	22 6
1996	187	21 3	2,131	242 3	37	4 2	81	9 2	238	27 1	174	19 9
1997	169	19 2	2,097	238 8	37	4 2	98	11 2	299	34 0	179	20 4
1998	196	22 3	2,001	227 3	26	3 0	90	10 2	311	35 3	156	17 7
1999	243	27 5	2,034	230 4	32	3 6	93	10 5	213	24 1	161	18 2
2000	226	25 1	1,985	220 0	35	3 9	115	12 7	192	21 3	157	17 4
2001	229	25 3	1,962	216 9	31	3 4	127	14 0	191	21 1	174	19 2

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE 16

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS AND NUMBER OF PREVIOUS PREGNANCIES MONTANA OCCURRENCES, 2001

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,350	1,499	578	178	61	20	4	10	-
NONE	763	763	-	-	-	-	-	-	-
ONE	519	294	225	-	-	-	-	-	-
TWO	438	237	146	55	-	-	-	-	-
THREE	268	103	112	40	13	-	-	-	-
FOUR	162	50	57	40	13	2	-	-	-
FIVE	97	28	26	27	12	4	-	-	-
SIX	54	14	6	12	12	7	2	1	-
SEVEN	22	5	1	3	7	2	1	3	-
EIGHT	13	3	4	1	2	2	-	1	-
NINE OR MORE	14	2	1	-	2	3	1	5	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE 17

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT MONTANA OCCURRENCES, 2001

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,350
UNDER 12	1
12-14	12
15-17	196
18-19	330
20-24	794
25-29	410
30-34	286
35-39	220
40-44	89
45 AND OVER	4
NOT STATED	8

TABLE 18

FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEK OF GESTATION AND BY PRIMARY PROCEDURE MONTANA OCCURRENCES, 2001

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,350	1,518	358	217	113	44	48	43	9
DILATION AND EVACUATION (D&E)	201	6	2	12	56	39	45	41	-
INTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	2	1	1	-	-	-	-	-	-
SUCTION CURRETTAGE	2,130	1,496	355	205	57	5	2	1	9
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	17	15	-	-	-	-	1	1	-

*** THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."**

TABLE19

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE MONTANA, 2001

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	24	-	PONDERA	2	-
BIG HORN	27	-	POWDER RIVER	-	-
BLAINE	13	-	POWELL	10	-
BROADWATER	4	-	PRAIRIE	-	-
CARBON	6	-	RAVALLI	60	-
CARTER	-	-	RICHLAND	11	-
CASCADE	150	148	ROOSEVELT	17	-
CHOUTEAU	5	-	ROSEBUD	18	-
CUSTER	16	-	SANDERS	8	-
DANIELS	-	-	SHERIDAN	-	-
DAWSON	8	-	SILVER BOW	95	-
DEER LODGE	15	-	STILLWATER	16	-
FALLON	2	-	SWEET GRASS	6	-
FERGUS	8	-	TETON	3	-
FLATHEAD	223	249	TOOLE	1	-
GALLATIN	179	-	TREASURE	-	-
GARFIELD	1	-	VALLEY	13	-
GLACIER	32	-	WHEATLAND	4	-
GOLDEN VALLEY	-	-	WIBAUX	4	-
GRANITE	3	-	YELLOWSTONE	374	850
HILL	34	-	NOT STATED	17	-
JEFFERSON	9	-			
JUDITH BASIN	1	-	TOTAL, MONTANA	2,063	2,350
LAKE	62	-	RESIDENTS		
LEWIS & CLARK	133	257	OUT OF STATE		
LIBERTY	1	-	RESIDENTS		
LINCOLN	17	-	IDAHO	43	NA
MCCONE	1	-	NORTH DAKOTA	15	NA
MADISON	14	-	SOUTH DAKOTA	22	NA
MEAGHER	2	-	WYOMING	193	NA
MINERAL	10	-	OTHER STATES	12	NA
MISSOULA	368	846			
MUSSELSHELL	6	-	CANADA	-	NA
PARK	26	-	REST OF WORLD	1	NA
PETROLEUM	-	-	NOT STATED	1	NA
PHILLIPS	4	-			
			TOTAL	2,350	NA

TABLE 20

FREQUENCY OF MARRIAGE LICENSES ISSUED
AND MARRIAGES SOLEMNIZED
BY COUNTY OF OCCURRENCE - MONTANA, 2001

COUNTY	MARRIAGES LICENSES ISSUED	MARRIAGES SOLEMNIZED
MONTANA, TOTAL	6,612	6,612
BEAVERHEAD	45	52
BIG HORN	73	61
BLAINE	23	23
BROADWATER	29	40
CARBON	141	186
CARTER	3	7
CASCADE	637	601
CHOUTEAU	22	28
CUSTER	83	81
DANIELS	19	20
DAWSON	50	44
DEER LODGE	56	73
FALLON	23	25
FERGUS	68	69
FLATHEAD	734	703
GALLATIN	651	577
GARFIELD	7	6
GLACIER	74	97
GOLDEN VALLEY	2	3
GRANITE	14	14
HILL	95	92
JEFFERSON	22	40
JUDITH BASIN	6	10
LAKE	165	206
LEWIS & CLARK	412	392
LIBERTY	12	13
LINCOLN	102	163
MCCONE	13	17
MADISON	56	66
MEAGHER	12	14
MINERAL	36	36
MISSOULA	766	643
MUSSELSHELL	40	39
PARK	108	145
PETROLEUM	1	2
PHILLIPS	24	30
PONDERA	27	33
POWDER RIVER	12	9
POWELL	31	37
PRAIRIE	2	2
RAVALLI	189	226
RICHLAND	69	69
ROOSEVELT	55	57
ROSEBUD	34	39
SANDERS	53	62
SHERIDAN	26	27
SILVER BOW	253	242
STILLWATER	59	58
SWEET GRASS	22	25
TETON	28	36
TOOLE	37	27
TREASURE	1	3
VALLEY	41	43
WHEATLAND	7	8
WIBAUX	2	3
YELLOWSTONE	1,040	985
YELLOWSTONE PARK	-	1
NOT STATED	-	2

TABLE 21

FREQUENCY AND RATE OF MARRIAGES SOLEMNIZED AND TERMINATED BY YEAR
MONTANA OCCURENCES, 1944 - 2001

YEAR	MARRIAGES		MARITAL TERMINATIONS	
	NUMBER	RATE*	NUMBER	RATE*
1944	6,433	11 2	1,745	3.1
1945	8,147	14 2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10 6	1,989	3.3
1953	6,597	10.7	1,986	3 2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4 4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5 4
1975	7,331	9.8	4,286	5.7
1976	7,390	9 8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,165	10.2	4,612	5.8
1983	8,092	9.9	4,644	5.7
1984	7,659	9.3	4,355	5.3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5.3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5.0
1989	6,765	8.4	4,104	5.1
1990	6,924	8.7	4,049	5 1
1991	6,984	8.6	4,443	5.5
1992	7,189	8.7	4,223	5 1
1993	7,041	8.4	4,311	5.1
1994	7,088	8.3	4,196	4 9
1995	6,818	7.8	4,214	4 8
1996	6,609	7.5	4,238	4.8
1997	6,708	7.6	4,058	4 6
1998	6,436	7.3	---	---
1999	6,785	7 7	---	---
2000	6,870	7 6	---	---
2001	6,612	7.3	---	---

* PER 1,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE 22

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES SOLEMNIZED BY MONTH OF OCCURRENCE MONTANA, 2001

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,612	100.0	JUNE	987	14.9
			JULY	1,055	16.0
JANUARY	258	3.9	AUGUST	1,062	16.1
FEBRUARY	271	4.1	SEPTEMBER	657	9.9
MARCH	333	5.0	OCTOBER	402	6.1
APRIL	324	4.9	NOVEMBER	303	4.6
MAY	522	7.9	DECEMBER	438	6.6

TABLE 23

FREQUENCY OF MARRIAGE SOLEMNIZED BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM MONTANA OCCURRENCES, 2001

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,612	4,110	224	2,273	5	6,612	4,255	197	2,157	3
UNDER 15	1	1	-	-	-	1	1	-	-	-
15-19	540	532	-	7	1	206	205	-	1	-
20-24	2,067	1,959	2	103	3	1,698	1,653		44	1
25-29	1,285	977	4	303	1	1,434	1,231	1	200	2
30-34	790	372	11	407	-	957	626	5	326	-
35-39	576	135	17	424	-	632	284	7	341	-
40-44	504	76	28	400	-	551	146	10	395	-
45-49	373	40	31	302	-	384	55	15	314	-
50-54	215	9	32	174	-	295	29	23	243	-
55-59	118	2	24	92	-	178	12	18	148	-
60-64	60	3	22	35	-	116	7	19	90	-
65-69	34	1	20	13	-	62	2	34	26	-
70-74	24	-	15	9	-	47	-	30	17	-
75 AND OVER	23	1	18	4	-	49	3	35	11	-
NOT STATED	2	2	-	-	-	2	2	-	-	-

TABLE 24

FREQUENCY OF FIRST MARRIAGE SOLEMNIZED* BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 2001

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,521	2	511	1,781	824	269	79	32	16	4	3
15-19	2	2	-	-	-	-	-	-	-	-	-
20-24	196	-	134	61	1	-	-	-	-	-	-
25-29	1,553	-	314	1,093	132	11	2	-	1	-	-
30-34	1,063	-	55	512	423	66	7	-	-	-	-
35-39	459	-	7	92	205	133	15	5	2	-	-
40-44	156	-	1	17	50	42	34	10	2	-	-
45-49	62	-	-	4	11	15	13	14	4	1	-
50-54	17	-	-	2	1	2	7	2	3	-	-
55 AND OVER	6	-	-	-	1	-	-	1	1	3	-
NOT STATED	7	-	-	-	-	-	1	-	3	-	3

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE 25

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1994 - 2001

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1994	26	23	22	29	25	24
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	25	26
2000	27	23	23	29	26	25
2001	27	23	23	27	25	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE 26

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		9,089		12,763		6,870		4,457		9,696		1,375		79,298	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	(1)	-0.1	175	13.8	24	3.4	(14)	-3.2	-	-	(8)	-5.9	263	3.3
LIVE BIRTHS, TOTAL	10,947	12.1	96	10.6	268	21.0	105	15.3	32	7.2	87	9.0	8	5.8	1,047	13.2
SEX-MALE	5,575	12.4	46	---	135	---	53	---	11	---	43	---	3	---	546	---
FEMALE	5,371	11.9	50	---	133	---	52	---	21	---	44	---	5	---	501	---
OUT-OF-WEDLOCK	3,429	313.2	26	270.8	153	570.9	55	523.8	8	250.0	19	218.4	-	-	322	307.5
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	97	10.7	93	7.3	81	11.8	46	10.3	87	9.0	16	11.6	784	9.9
SEX-MALE	4,218	9.6	54	---	49	---	39	---	23	---	47	---	7	---	413	---
FEMALE	4,033	9.1	43	---	44	---	42	---	23	---	40	---	9	---	371	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	4	14.9	1	9.5	1	31.3	1	11.5	-	-	7	6.7
NEONATAL (UNDER 28 DAYS)	47	4.3	-	-	1	3.7	1	9.5	1	31.3	1	11.5	-	-	3	2.9
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	3	11.2	-	-	-	-	-	-	-	-	4	3.8
FETAL DEATHS	43	3.9	2	20.8	2	7.5	-	-	-	-	-	-	-	-	5	4.8
PERINATAL DEATHS	90	8.2	2	20.8	3	11.2	1	9.5	1	31.3	1	11.5	-	-	8	7.6
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	17	187.0	13	101.9	14	203.8	13	291.7	20	206.3	6	436.4	176	221.9
CANCER	1,952	215.8	25	275.1	23	180.2	21	305.7	7	157.1	23	237.2	3	218.2	181	228.3
CHRON. LOWER RESP. DISEASES	583	64.5	7	77.0	5	39.2	4	58.2	6	134.6	7	72.2	1	72.7	61	76.9
CEREBROVASCULAR DISEASE	577	63.8	7	77.0	6	47.0	5	72.8	1	22.4	6	61.9	-	-	53	66.8
ACCIDENTS	468	51.7	7	77.0	12	94.0	8	116.4	2	44.9	3	30.9	3	218.2	49	61.8
ALZHEIMER'S DISEASE	248	27.4	4	44.0	2	15.7	5	72.8	1	22.4	6	61.9	-	-	36	45.4
DIABETES	229	25.3	1	11.0	5	39.2	2	29.1	2	44.9	1	10.3	1	72.7	25	31.5
PNEUMONIA AND INFLUENZA	194	21.4	4	44.0	3	23.5	2	29.1	2	44.9	4	41.3	-	-	14	17.7
SUICIDE	174	19.2	4	44.0	3	23.5	1	14.6	1	22.4	3	30.9	-	-	16	20.2
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	1	11.0	3	23.5	1	14.6	2	44.9	4	41.3	-	-	12	15.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	82	9.0	263	20.6	-	-	-	-	42	4.3	-	-	1,321	16.7
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	87	9.6	79	6.2	40	5.8	40	9.0	73	7.5	7	5.1	889	11.2
INFANT (UNDER 1 YEAR)	65	5.9	-	-	1	3.8	-	-	-	-	-	-	-	-	13	9.8
ACCIDENTAL	496	0.5	5	0.6	12	0.9	7	1.0	5	1.1	4	0.4	2	1.5	57	0.7
MOTOR VEHICLE	234	0.3	1	0.1	8	0.6	3	0.4	5	1.1	3	0.3	1	0.7	17	0.2
OTHER ACCIDENTAL	262	0.3	4	0.4	4	0.3	4	0.6	-	-	1	0.1	1	0.7	40	0.5
MARRIAGES SOLUMNIZED	6,612	7.3	52	5.7	61	4.8	23	3.3	40	9.0	186	19.2	7	5.1	601	7.6
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		5,738		11,372		1,998		8,877		9,171		2,761		11,693	
RESIDENCE																
NATURAL INCREASE	2,695	3 0	(18)	-3.0	(3)	-0.3	(12)	-5.9	(9)	-1.0	(57)	-6.1	(10)	-3 5	(53)	-4 5
LIVE BIRTHS, TOTAL	10,947	12.1	43	7.5	132	11.6	14	7.0	92	10.4	85	9.3	23	8.3	107	9.2
SEX-MALE	5,575	12 4	21	---	74	---	9	---	42	---	37	---	12	---	61	---
FEMALE	5,371	11.9	22	---	58	---	5	---	50	---	48	---	11	---	46	---
OUT-OF-WEDLOCK	3,429	313.2	8	186.0	48	363.6	1	71 4	23	250.0	32	376 5	8	347.8	25	233.6
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9 1	61	10.6	135	11.9	26	13.0	101	11.4	142	15.5	33	12.0	160	13 7
SEX-MALE	4,218	9 6	32	---	76	---	11	---	57	---	70	---	18	---	75	---
FEMALE	4,033	9.1	29	---	59	---	15	---	44	---	72	---	15	---	85	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	2	15.2	1	71.4	-	-	1	11.8	-	-	-	-
NEONATAL (UNDER 28 DAYS)	47	4 3	-	-	1	7.6	1	71.4	-	-	1	11.8	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	26	2 4	-	-	1	7 6	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	43	3.9	-	-	-	-	-	-	1	10.9	-	-	-	-	1	9.3
PERINATAL DEATHS	90	8.2	-	-	1	7.6	1	71.4	1	10.9	1	11.8	-	-	1	9.3
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	15	261.4	35	307 8	8	400 4	19	214.0	31	338.0	9	326.0	39	333.5
CANCER	1,952	215.8	17	296.3	38	334 2	7	350 4	25	281 6	26	283.5	8	289.8	42	359.2
CHRON. LOWER RESP. DISEASES	583	64.5	5	87.1	12	105.5	1	50.1	3	33 8	20	218.1	2	72.4	9	77.0
CEREBROVASCULAR DISEASE	577	63.8	5	87.1	7	61.6	1	50.1	3	33.8	7	76.3	2	72.4	9	77 0
ACCIDENTS	468	51.7	2	34.9	3	26 4	1	50 1	7	78.9	7	76.3	1	36.2	5	42.8
ALZHEIMER'S DISEASE	248	27 4	1	17.4	9	79.1	2	100.1	2	22.5	4	43.6	-	-	5	42.8
DIABETES	229	25.3	1	17.4	1	8 8	-	-	1	11.3	6	65.4	1	36.2	3	25.7
PNEUMONIA AND INFLUENZA	194	21.4	-	-	1	8 8	1	50.1	3	33.8	2	21 8	1	36.2	6	51.3
SUICIDE	174	19.2	-	-	4	35.2	-	-	1	11.3	2	21.8	1	36.2	1	8.6
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	-	-	2	17 6	2	100.1	6	67.6	4	43 6	-	-	7	59.9
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	1	0.2	244	21.5	-	-	61	6.9	41	4.5	6	2.2	112	9.6
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	45	7.8	153	13.5	20	10.0	96	10.8	111	12.1	29	10 5	162	13.9
INFANT (UNDER 1 YEAR)	65	5.9	-	-	2	8 2	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL	496	0.5	2	0.3	3	0.3	1	0.5	3	0 3	6	0 7	1	0 4	6	0.5
MOTOR VEHICLE	234	0.3	1	0.2	-	-	-	-	1	0.1	2	0 2	1	0.4	5	0 4
OTHER ACCIDENTAL	262	0.3	1	0.2	3	0.3	1	0.5	2	0.2	4	0.4	-	-	1	0.1
MARRIAGES SOLUMNIZED	6,612	7.3	28	4 9	81	7.1	20	10.0	44	5.0	73	8.0	25	9 1	69	5.9
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		76,269		69,422		1,243		13,125		1,019		2,899		16,467	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	333	4 5	461	6.8	1	0.8	143	10.8	10	9.6	(8)	-2.8	109	6.5
LIVE BIRTHS, TOTAL	10,947	12.1	982	12 9	816	11 8	14	11.3	241	18 4	17	16.7	21	7.2	274	16.6
SEX-MALE	5,575	12.4	488	---	422	---	7	---	126	---	10	---	6	---	142	---
FEMALE	5,371	11.9	493	---	394	---	7	---	115	---	7	---	15	---	132	---
OUT-OF-WEDLOCK	3,429	313.2	253	257.6	138	169 1	-	-	169	701.2	4	235.3	7	333.3	138	503.6
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	649	8.5	355	5 1	13	10.5	98	7.5	7	6.9	29	10.0	165	10.0
SEX-MALE	4,218	9 6	326	---	186	---	5	---	46	---	5	---	18	---	83	---
FEMALE	4,033	9 1	322	---	169	---	8	---	52	---	2	---	11	---	82	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	5	5.1	5	6.1	-	-	-	-	-	-	-	-	1	3.6
NEONATAL (UNDER 28 DAYS)	47	4 3	5	5.1	3	3.7	-	-	-	-	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	2	2 5	-	-	-	-	-	-	-	-	1	3 6
FETAL DEATHS	43	3.9	1	1 0	2	2.5	-	-	3	12 4	-	-	-	-	-	-
PERINATAL DEATHS	90	8 2	6	6.1	5	6.1	-	-	3	12.4	-	-	-	-	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	177	232.1	89	128.2	3	241.4	19	144 8	1	98.1	10	344.9	49	297.6
CANCER	1,952	215 8	151	198 0	68	98.0	3	241.4	26	198 1	3	294.4	8	276.0	39	236.8
CHRON. LOWER RESP. DISEASES	583	64.5	37	48.5	20	28 8	-	-	6	45.7	1	98.1	1	34.5	11	66.8
CEREBROVASCULAR DISEASE	577	63.8	49	64 2	33	47.5	2	160.9	5	38.1	-	-	2	69.0	8	48 6
ACCIDENTS	468	51.7	42	55 1	23	33 1	1	80.5	8	61 0	1	98.1	2	69.0	10	60.7
ALZHEIMER'S DISEASE	248	27.4	20	26.2	4	5 8	-	-	-	-	-	-	-	-	2	12.1
DIABETES	229	25 3	15	19.7	10	14 4	2	160.9	2	15 2	-	-	1	34.5	5	30.4
PNEUMONIA AND INFLUENZA	194	21 4	12	15.7	9	13.0	1	80.5	4	30.5	-	-	-	-	4	24 3
SUICIDE	174	19 2	13	17.0	15	21 6	-	-	2	15.2	-	-	-	-	6	36.4
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14 0	10	13.1	5	7 2	-	-	2	15.2	-	-	1	34.5	1	6.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	1,047	13 7	870	12 5	-	-	217	16.5	-	-	-	-	391	23.7
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	676	8.9	350	5.0	13	10 5	69	5.3	-	-	24	8.3	171	10.4
INFANT (UNDER 1 YEAR)	65	5.9	1	1 0	3	3.4	-	-	-	-	-	-	-	-	2	5.1
ACCIDENTAL	496	0 5	47	0.6	20	0.3	4	3.2	4	0.3	-	-	6	2.1	7	0 4
MOTOR VEHICLE	234	0.3	21	0.3	12	0 2	4	3 2	2	0.2	-	-	3	1.0	3	0.2
OTHER ACCIDENTAL	262	0.3	26	0.3	8	0.1	-	-	2	0 2	-	-	3	1.0	4	0.2
MARRIAGES SOLUMNIZED	6,612	7.3	703	9 2	577	8.3	6	4.8	97	7.4	3	2.9	14	4 8	92	5 6
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	-	6	2 1	80	4.9

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		10,405		2,280		26,904		56,094		2,096		18,664		1,900	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	(11)	-1.1	(2)	-0.9	94	3.5	175	3.1	(2)	-0.9	5	0.3	6	3.0
LIVE BIRTHS, TOTAL	10,947	12.1	90	8.6	15	6.6	348	12.9	663	11.8	21	10.0	186	10.0	21	11.1
SEX-MALE	5,575	12.4	37	---	7	---	172	---	336	---	13	---	99	---	14	---
FEMALE	5,371	11.9	53	---	8	---	176	---	327	---	8	---	87	---	7	---
OUT-OF-WEDLOCK	3,429	313.2	11	122.2	1	66.7	141	405.2	188	283.6	4	190.5	58	311.8	6	285.7
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	101	9.7	17	7.5	254	9.4	488	8.7	23	11.0	181	9.7	15	7.9
SEX-MALE	4,218	9.6	55	---	6	---	143	---	235	---	8	---	97	---	8	---
FEMALE	4,033	9.1	46	---	11	---	111	---	253	---	15	---	84	---	7	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	-	-	5	14.4	4	6.0	1	47.6	1	5.4	-	-
NEONATAL (UNDER 28 DAYS)	47	4.3	-	-	-	-	3	8.6	2	3.0	1	47.6	1	5.4	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	-	-	2	5.7	2	3.0	-	-	-	-	-	-
FETAL DEATHS	43	3.9	-	-	-	-	1	2.9	2	3.0	-	-	-	-	-	-
PERINATAL DEATHS	90	8.2	-	-	-	-	4	11.5	4	6.0	1	47.6	1	5.4	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	22	211.4	8	350.9	62	230.4	96	171.1	4	190.8	43	230.4	2	105.3
CANCER	1,952	215.8	27	259.5	3	131.6	56	208.1	137	244.2	7	334.0	43	230.4	3	157.9
CHRON. LOWER RESP. DISEASES	583	64.5	11	105.7	1	43.9	13	48.3	35	62.4	2	95.4	15	80.4	2	105.3
CEREBROVASCULAR DISEASE	577	63.8	7	67.3	1	43.9	21	78.1	29	51.7	2	95.4	15	80.4	3	157.9
ACCIDENTS	468	51.7	6	57.7	2	87.7	22	81.8	22	39.2	1	47.7	16	85.7	1	52.6
ALZHEIMER'S DISEASE	248	27.4	1	9.6	1	43.9	8	29.7	12	21.4	-	-	6	32.1	-	-
DIABETES	229	25.3	4	38.4	-	-	4	14.9	11	19.6	2	95.4	6	32.1	-	-
PNEUMONIA AND INFLUENZA	194	21.4	2	19.2	-	-	5	18.6	16	28.5	-	-	1	5.4	-	-
SUICIDE	174	19.2	2	19.2	-	-	3	11.2	15	26.7	-	-	3	16.1	1	52.6
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	1	9.6	-	-	5	18.6	9	16.0	-	-	1	5.4	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	2	0.2	-	-	246	9.1	716	12.8	24	11.5	110	5.9	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	56	5.4	9	3.9	198	7.4	538	9.6	24	11.5	138	7.4	14	7.4
INFANT (UNDER 1 YEAR)	65	5.9	-	-	-	-	4	16.3	2	2.8	-	-	-	-	-	-
ACCIDENTAL	496	0.5	4	0.4	3	1.3	10	0.4	18	0.3	-	-	12	0.6	1	0.5
MOTOR VEHICLE	234	0.3	2	0.2	3	1.3	7	0.3	5	0.1	-	-	5	0.3	-	-
OTHER ACCIDENTAL	262	0.3	2	0.2	-	-	3	0.1	13	0.2	-	-	7	0.4	1	0.5
MARRIAGES SOLUMNIZED	6,612	7.3	40	3.8	10	4.4	206	7.7	392	7.0	13	6.2	163	8.7	17	8.9
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		6,939		1,938		3,843		96,303		4,450		15,686		488	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	(13)	-1.9	4	2.1	(4)	-1.0	441	4.6	(14)	-3.1	33	2.1	(2)	-4.1
LIVE BIRTHS, TOTAL	10,947	12.1	61	8.8	18	9.3	35	9.1	1,108	11.5	45	10.1	183	11.7	3	6.1
SEX-MALE	5,575	12.4	29	---	9	---	14	---	584	---	21	---	107	---	1	---
FEMALE	5,371	11.9	32	---	9	---	21	---	524	---	24	---	76	---	2	---
OUT-OF-WEDLOCK	3,429	313.2	15	245.9	6	333.3	18	514.3	296	267.1	11	244.4	45	245.9	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	74	10.7	14	7.2	39	10.1	667	6.9	59	13.3	150	9.6	5	10.2
SEX-MALE	4,218	9.6	36	---	9	---	19	---	325	---	30	---	67	---	3	---
FEMALE	4,033	9.1	38	---	5	---	20	---	342	---	29	---	83	---	2	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	-	-	-	-	1	28.6	1	0.9	-	-	-	-	-	-
NEONATAL (UNDER 28 DAYS)	47	4.3	-	-	-	-	1	28.6	1	0.9	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	43	3.9	-	-	-	-	-	-	3	2.7	-	-	2	10.9	-	-
PERINATAL DEATHS	90	8.2	-	-	-	-	1	28.6	4	3.6	-	-	2	10.9	-	-
LEADING CAUSES OF DEATH**																
HEART DISEASE	1,962	216.9	31	446.8	5	258.0	6	156.1	130	135.0	17	382.0	31	197.6	2	409.8
CANCER	1,952	215.8	10	144.1	3	154.8	10	260.2	163	169.3	16	359.6	43	274.1	-	-
CHRON. LOWER RESP. DISEASES	583	64.5	5	72.1	-	-	3	78.1	44	45.7	5	112.4	7	44.6	2	409.8
CEREBROVASCULAR DISEASE	577	63.8	6	86.5	2	103.2	2	52.0	37	38.4	4	89.9	9	57.4	-	-
ACCIDENTS	468	51.7	1	14.4	1	51.6	4	104.1	44	45.7	3	67.4	10	63.8	1	204.9
ALZHEIMER'S DISEASE	248	27.4	1	14.4	-	-	2	52.0	28	29.1	1	22.5	2	12.8	-	-
DIABETES	229	25.3	-	-	-	-	2	52.0	20	20.8	2	44.9	7	44.6	-	-
PNEUMONIA AND INFLUENZA	194	21.4	1	14.4	-	-	-	-	26	27.0	-	-	3	19.1	-	-
SUICIDE	174	19.2	3	43.2	-	-	1	26.0	15	15.6	-	-	1	6.4	-	-
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	2	28.8	-	-	1	26.0	8	8.3	-	-	3	19.1	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	1	0.1	-	-	3	0.8	1,600	16.6	-	-	175	11.2	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	68	9.8	12	6.2	36	9.4	890	9.2	35	7.9	142	9.1	4	8.2
INFANT (UNDER 1 YEAR)	65	5.9	-	-	-	-	-	-	9	5.6	-	-	-	-	-	-
ACCIDENTAL	496	0.5	1	0.1	1	0.5	8	2.1	69	0.7	-	-	12	0.8	1	2.0
MOTOR VEHICLE	234	0.3	-	-	-	-	6	1.6	21	0.2	-	-	7	0.4	1	2.0
OTHER ACCIDENTAL	262	0.3	1	0.1	1	0.5	2	0.5	48	0.5	-	-	5	0.3	-	-
MARRIAGES SOLUMNIZED	6,612	7.3	66	9.5	14	7.2	36	9.4	643	6.7	39	8.8	145	9.2	2	4.1
MARITAL TERMINATIONS	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		4,420		6,345		1,824		7,076		1,216		37,304		9,343	
RESIDENCE																
NATURAL INCREASE	2,695	3 0	(12)	-2 6	(15)	-2.3	(6)	-3.2	(9)	-1.3	(10)	-8.3	46	1.3	(18)	-1.9
LIVE BIRTHS, TOTAL	10,947	12.1	49	11.1	57	9.0	14	7.7	63	8.9	8	6 6	403	10 8	87	9.3
SEX-MALE	5,575	12.4	23	---	27	---	6	---	33	---	4	---	209	---	46	---
FEMALE	5,371	11.9	26	---	30	---	8	---	30	---	4	---	194	---	41	---
OUT-OF-WEDLOCK	3,429	313.2	11	224.5	21	368.4	3	214.3	19	301.6	1	125.0	80	198.5	25	287.4
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9 1	61	13.8	72	11.3	20	11.0	72	10.2	18	14 8	357	9 6	105	11.2
SEX-MALE	4,218	9.6	32	---	35	---	14	---	40	---	11	---	173	---	59	---
FEMALE	4,033	9.1	29	---	37	---	6	---	32	---	7	---	184	---	46	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	1	20.4	1	17.5	-	-	2	31.7	-	-	5	12 4	-	-
NEONATAL (UNDER 28 DAYS)	47	4.3	1	20.4	1	17.5	-	-	1	15.9	-	-	3	7.4	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	-	-	-	-	1	15.9	-	-	2	5.0	-	-
FETAL DEATHS	43	3.9	-	-	-	-	-	-	-	-	-	-	2	5.0	-	-
PERINATAL DEATHS	90	8.2	1	20 4	1	17.5	-	-	1	15.9	-	-	5	12.4	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	18	407.2	11	173.4	1	54.8	8	113.1	5	411.2	86	230.5	32	342.5
CANCER	1,952	215 8	12	271.5	15	236.4	6	328.9	17	240.2	6	493 4	94	252.0	21	224.8
CHRON. LOWER RESP. DISEASES	583	64.5	3	67.9	5	78.8	1	54 8	4	56.5	-	-	20	53 6	7	74.9
CEREBROVASCULAR DISEASE	577	63 8	8	181.0	3	47.3	-	-	2	28.3	1	82.2	26	69.7	9	96.3
ACCIDENTS	468	51.7	1	22.6	5	78.8	2	109 6	5	70.7	1	82.2	19	50.9	6	64.2
ALZHEIMER'S DISEASE	248	27.4	-	-	-	-	1	54 8	5	70.7	-	-	11	29.5	-	-
DIABETES	229	25.3	2	45.2	2	31.5	-	-	3	42.4	-	-	5	13 4	3	32.1
PNEUMONIA AND INFLUENZA	194	21.4	3	67.9	1	15.8	-	-	2	28 3	1	82.2	6	16 1	3	32.1
SUICIDE	174	19.2	-	-	1	15.8	1	54 8	1	14.1	-	-	8	21.4	-	-
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	2	45.2	3	47.3	1	54 8	1	14 1	1	82.2	8	21.4	1	10.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	1	0 2	10	1 6	-	-	18	2 5	-	-	196	5.3	76	8 1
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	50	11.3	59	9.3	16	8 8	61	8 6	9	7 4	290	7.8	86	9.2
INFANT (UNDER 1 YEAR)	65	5.9	-	-	-	-	-	-	-	-	-	-	2	10 2	-	-
ACCIDENTAL	496	0.5	2	0.5	6	0.9	2	1.1	10	1.4	-	-	15	0 4	3	0.3
MOTOR VEHICLE	234	0.3	1	0.2	4	0.6	2	1.1	4	0.6	-	-	10	0.3	-	-
OTHER ACCIDENTAL	262	0.3	1	0 2	2	0.3	-	-	6	0.8	-	-	5	0 1	3	0.3
MARRIAGES SOLUMNIZED	6,612	7.3	30	6.8	33	5 2	9	4 9	37	5 2	2	1.6	226	6.1	69	7.4
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		10,561		9,282		10,443		3,940		33,604		8,433		3,585	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	95	8.9	87	9.3	4	0.4	(57)	-13.9	(67)	-1.9	27	3.3	8	2.2
LIVE BIRTHS, TOTAL	10,947	12.1	209	19.8	152	16.4	114	10.9	11	2.8	357	10.6	98	11.6	48	13.4
SEX-MALE	5,575	12.4	105	---	65	---	58	---	6	---	171	---	49	---	29	---
FEMALE	5,371	11.9	104	---	87	---	56	---	5	---	186	---	49	---	19	---
OUT-OF-WEDLOCK	3,429	313.2	128	612.4	89	585.5	31	271.9	3	272.7	116	324.9	19	193.9	7	145.8
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	114	10.8	65	7.0	110	10.5	68	17.3	424	12.6	71	8.4	40	11.2
SEX-MALE	4,218	9.6	65	---	31	---	62	---	37	---	213	---	39	---	21	---
FEMALE	4,033	9.1	49	---	34	---	48	---	31	---	211	---	32	---	19	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	2	9.6	-	-	-	-	-	-	1	2.8	-	-	1	20.8
NEONATAL (UNDER 28 DAYS)	47	4.3	-	-	-	-	-	-	-	-	1	2.8	-	-	1	20.8
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	2	9.6	-	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	43	3.9	3	14.4	-	-	1	8.8	2	181.8	1	2.8	-	-	-	-
PERINATAL DEATHS	90	8.2	3	14.4	-	-	1	8.8	2	181.8	2	5.6	-	-	1	20.8
LEADING CAUSES OF DEATH**																
HEART DISEASE	1,962	216.9	25	236.7	23	247.8	27	258.5	17	431.5	113	336.3	21	249.0	4	111.6
CANCER	1,952	215.8	25	236.7	11	118.5	26	249.0	20	507.6	99	294.6	18	213.4	9	251.0
CHRON. LOWER RESP. DISEASES	583	64.5	1	9.5	3	32.3	14	134.1	4	101.5	42	125.0	2	23.7	4	111.6
CEREBROVASCULAR DISEASE	577	63.8	8	75.8	4	43.1	8	76.6	6	152.3	30	89.3	5	59.3	6	167.4
ACCIDENTS	468	51.7	10	94.7	2	21.5	8	76.6	1	25.4	11	32.7	4	47.4	2	55.8
ALZHEIMER'S DISEASE	248	27.4	3	28.4	-	-	2	19.2	2	50.8	9	26.8	4	47.4	3	83.7
DIABETES	229	25.3	6	56.8	1	10.8	2	19.2	4	101.5	12	35.7	3	35.6	1	27.9
PNEUMONIA AND INFLUENZA	194	21.4	2	18.9	3	32.3	-	-	3	76.1	10	29.8	2	23.7	2	55.8
SUICIDE	174	19.2	2	18.9	-	-	3	28.7	1	25.4	6	17.9	3	35.6	2	55.8
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	1	9.5	-	-	-	-	1	25.4	5	14.9	-	-	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	144	13.6	3	0.3	49	4.7	13	3.3	445	13.2	3	0.4	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	97	9.2	41	4.4	82	7.9	66	16.8	437	13.0	58	6.9	40	11.2
INFANT (UNDER 1 YEAR)	65	5.9	2	13.9	1	333.3	-	-	-	-	3	6.7	-	-	1	-
ACCIDENTAL	496	0.5	10	0.9	1	0.1	7	0.7	3	0.8	14	0.4	3	0.4	5	1.4
MOTOR VEHICLE	234	0.3	7	0.7	1	0.1	6	0.6	2	0.5	4	0.1	2	0.2	3	0.8
OTHER ACCIDENTAL	262	0.3	3	0.3	-	-	1	0.1	1	0.3	10	0.3	1	0.1	2	0.6
MARRIAGES SOLUMNIZED	6,612	7.3	57	5.4	39	4.2	62	5.9	27	6.9	242	7.2	58	6.9	25	7.0
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.
--- NOT CALCULATED OR NOT AVAILABLE.
- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 26 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2001

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	904,433		6,387		5,151		802		7,524		2,153		1,050		130,398	
RESIDENCE																
NATURAL INCREASE	2,695	3.0	(1)	-0 2	12	2.3	(1)	-1.2	3	0 4	(7)	-3.1	(18)	-16.9	597	4 6
LIVE BIRTHS, TOTAL	10,947	12.1	62	9.7	61	11 8	5	6.2	98	13.0	20	9.3	5	4 8	1,724	13.2
SEX-MALE	5,575	12.4	36	---	30	---	5	---	52	---	9	---	2	---	872	---
FEMALE	5,371	11.9	26	---	31	---	-	---	46	---	11	---	3	---	852	---
OUT-OF-WEDLOCK	3,429	313.2	5	80 6	14	229 5	-	-	41	418 4	5	250.0	-	-	574	332.9
DEATHS (EXCLUDING FETALS), TOTAL	8,252	9.1	63	9 9	49	9.5	6	7.5	95	12.6	27	12.5	23	21.9	1,127	8.6
SEX-MALE	4,218	9.6	35	---	26	---	3	---	49	---	10	---	8	---	574	---
FEMALE	4,033	9 1	28	---	23	---	3	---	46	---	17	---	15	---	553	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	73	6.7	1	16.1	-	-	-	-	-	-	1	50.0	-	-	16	9.3
NEONATAL (UNDER 28 DAYS)	47	4.3	1	16.1	-	-	-	-	-	-	-	-	-	-	11	6 4
POSTNEONATAL (28 DAYS-1 YEAR)	26	2.4	-	-	-	-	-	-	-	-	1	50.0	-	-	5	2 9
FETAL DEATHS	43	3.9	-	-	-	-	-	-	-	-	-	-	-	-	9	5.2
PERINATAL DEATHS	90	8.2	1	16 1	-	-	-	-	-	-	-	-	-	-	20	11.6
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,962	216.9	12	187.9	14	271.8	-	-	26	345 6	9	418.0	11	1047.6	277	212.4
CANCER	1,952	215.8	18	281.8	13	252.4	2	249.4	22	292.4	3	139.3	3	285.7	247	189.4
CHRON LOWER RESP. DISEASES	583	64.5	3	47.0	2	38 8	1	124.7	5	66.5	1	46.4	2	190.5	95	72.9
CEREBROVASCULAR DISEASE	577	63.8	6	93 9	2	38.8	1	124.7	3	39 9	3	139.3	1	95.2	96	73.6
ACCIDENTS	468	51.7	6	93 9	1	19 4	-	-	5	66.5	2	92.9	-	-	46	35.3
ALZHEIMER'S DISEASE	248	27.4	3	47.0	1	19 4	-	-	3	39.9	-	-	-	-	36	27.6
DIABETES	229	25.3	5	78.3	2	38.8	-	-	3	39.9	-	-	-	-	32	24.5
PNEUMONIA AND INFLUENZA	194	21.4	2	31.3	-	-	-	-	6	79.7	1	46.4	1	95.2	19	14 6
SUICIDE	174	19.2	1	15.7	-	-	-	-	1	13.3	1	46 4	-	-	26	19 9
NEPHRITIS, NEPHROTIC & NEPHROSIS	127	14.0	-	-	1	19.4	-	-	2	26.6	-	-	-	-	7	5 4
OCCURRENCE																
LIVE BIRTHS, TOTAL	10,935	12.1	6	0 9	64	12.4	-	-	147	19 5	-	-	-	-	2,185	16.8
DEATHS (EXCLUDING FETAL), TOTAL	8,260	9.1	48	7 5	44	8.5	1	1.2	80	10.6	24	11.1	14	13.3	1,359	10 4
INFANT (UNDER 1 YEAR)	65	5 9	1	166.7	-	-	-	-	-	-	1	-	-	-	17	7 8
ACCIDENTAL	496	0.5	5	0 8	1	0.2	1	1.2	3	0 4	2	0 9	-	-	61	0.5
MOTOR VEHICLE	234	0.3	3	0.5	1	0 2	1	1.2	3	0 4	2	0.9	-	-	28	0 2
OTHER ACCIDENTAL	262	0.3	2	0.3	-	-	-	-	-	-	-	-	-	-	33	0.3
MARRIAGES SOLUMNIZED	6,612	7.3	36	5 6	27	5.2	3	3.7	43	5.7	8	3.7	3	2.9	985	7.6
MARITAL TERMINATIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.
** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.
--- NOT CALCULATED OR NOT AVAILABLE.
- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

TABLE 27

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
TOTAL											
LIVE BIRTHS											
NUMBER	10,947	11	382	873	3,094	2,948	2,315	1,041	264	10	9
PERCENT	100.0	0.1	3.5	8 0	28.3	26.9	21.1	9.5	2.4	0.1	0.1
FETAL DEATHS											
NUMBER	43	-	1	6	11	8	9	5	1	-	2
PERCENT	100.0	-	2.3	14.0	25.6	18.6	20.9	11.6	2.3	-	4 7
INDUCED ABORTIONS											
NUMBER	2,063	9	176	291	697	351	260	189	79	4	7
PERCENT	100 0	0 4	8 5	14 1	33 8	17.0	12.6	9 2	3.8	0 2	0 3
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	96	-	5	9	29	26	16	7	3	-	1
PERCENT	100.0	-	5.2	9 4	30.2	27.1	16.7	7.3	3.1	-	1.0
FETAL DEATHS											
NUMBER	2	-	-	1	1	-	-	-	-	-	-
PERCENT	100.0	-	-	50 0	50.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	24	-	1	5	10	2	2	2	2	-	-
PERCENT	100.0	-	4 2	20.8	41.7	8 3	8 3	8.3	8 3	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	268	1	23	35	84	64	37	21	2	-	1
PERCENT	100.0	0 4	8 6	13.1	31.3	23 9	13 8	7.8	0 7	-	0 4
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	-	1	1	-	-
PERCENT	100.0	-	-	-	-	-	-	50 0	50 0	-	-
INDUCED ABORTIONS											
NUMBER	27	-	5	4	7	2	6	1	2	-	-
PERCENT	100 0	-	18 5	14 8	25.9	7.4	22 2	3.7	7 4	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	105	-	6	17	34	22	16	8	2	-	-
PERCENT	100.0	-	5 7	16 2	32.4	21 0	15 2	7.6	1.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	3	5	4	1	-	-	-	-	-
PERCENT	100.0	-	23 1	38 5	30 8	7 7	-	-	-	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	32	-	-	2	9	5	7	8	1	-	
PERCENT	100.0	-	-	6 3	28 1	15 6	21.9	25 0	3.1	-	
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	2	-	2	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50 0	-	-	-	-
CARBON											
LIVE BIRTHS											
NUMBER	87	-	2	1	25	24	21	12	2	-	-
PERCENT	100.0	-	2 3	1 1	28.7	27.6	24 1	13 8	2.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	-	3	1	-	2	-	-	-
PERCENT	100 0	-	-	-	50 0	16.7	-	33 3	-	-	-
CARTER											
LIVE BIRTHS											
NUMBER	8	-	-	-	-	3	3	2	-	-	-
PERCENT	100.0	-	-	-	-	37.5	37.5	25 0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
CASCADE											
LIVE BIRTHS											
NUMBER	1,047	-	43	104	335	275	181	82	26	1	-
PERCENT	100.0	-	4.1	9.9	32.0	26.3	17.3	7.8	2.5	0.1	-
FETAL DEATHS											
NUMBER	5	-	1	1	1	1	-	1	-	-	-
PERCENT	100.0	-	20.0	20.0	20.0	20.0	-	20.0	-	-	-
INDUCED ABORTIONS											
NUMBER	150	1	18	26	48	21	19	13	3	1	-
PERCENT	100.0	0.7	12.0	17.3	32.0	14.0	12.7	8.7	2.0	0.7	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	43	-	-	3	6	13	14	6	1	-	-
PERCENT	100.0	-	-	7.0	14.0	30.2	32.6	14.0	2.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	3	-	2	-	-	-	-	-	-
PERCENT	100.0	-	60.0	-	40.0	-	-	-	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	132	-	5	9	33	50	22	8	2	3	-
PERCENT	100.0	-	3.8	6.8	25.0	37.9	16.7	6.1	1.5	2.3	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	-	1	6	4	5	-	-	-	-
PERCENT	100.0	-	-	6.3	37.5	25.0	31.3	-	-	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	14	-	-	-	4	6	1	2	1	-	-
PERCENT	100.0	-	-	-	28.6	42.9	7.1	14.3	7.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	92	-	5	3	25	31	21	7	-	-	-
PERCENT	100.0	-	5.4	3.3	27.2	33.7	22.8	7.6	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	1	1	-	3	1	1	1	-	-
PERCENT	100.0	-	12.5	12.5	-	37.5	12.5	12.5	12.5	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	85	-	6	7	28	20	18	5	1	-	-
PERCENT	100.0	-	7.1	8.2	32.9	23.5	21.2	5.9	1.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	2	4	4	2	2	1	-	-	-
PERCENT	100.0	-	13.3	26.7	26.7	13.3	13.3	6.7	-	-	-
FALLON											
LIVE BIRTHS											
NUMBER	23	-	-	3	5	9	5	1	-	-	-
PERCENT	100.0	-	-	13.0	21.7	39.1	21.7	4.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	107	-	3	4	31	27	24	12	6	-	-
PERCENT	100.0	-	2.8	3.7	29.0	25.2	22.4	11.2	5.6	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	1	6	1	-	-	-	-	-
PERCENT	100.0	-	-	12.5	75.0	12.5	-	-	-	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	982	-	27	75	320	239	205	93	22	1	-
PERCENT	100.0	-	2.7	7.6	32.6	24.3	20.9	9.5	2.2	0.1	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	223	-	21	31	63	42	30	26	8	-	2
PERCENT	100.0	-	9.4	13.9	28.3	18.8	13.5	11.7	3.6	-	0.9
GALLATIN											
LIVE BIRTHS											
NUMBER	816	1	13	27	177	267	198	107	26	-	-
PERCENT	100.0	0.1	1.6	3.3	21.7	32.7	24.3	13.1	3.2	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	-	1	-	-	1
PERCENT	100.0	-	-	-	-	-	-	50.0	-	-	50.0
INDUCED ABORTIONS											
NUMBER	179	1	9	25	71	23	23	21	6	-	-
PERCENT	100.0	0.6	5.0	14.0	39.7	12.8	12.8	11.7	3.4	-	-
GARFIELD											
LIVE BIRTHS											
NUMBER	14	-	-	-	5	3	3	3	-	-	-
PERCENT	100.0	-	-	-	35.7	21.4	21.4	21.4	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	241	-	21	41	82	41	38	15	3	-	-
PERCENT	100.0	-	8.7	17.0	34.0	17.0	15.8	6.2	1.2	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	-	2	1			-	-
PERCENT	100.0	-	-	-	-	66.7	33.3			-	-
INDUCED ABORTIONS											
NUMBER	32	-	2	7	14	8	-	-	1	-	-
PERCENT	100.0	-	6.3	21.9	43.8	25.0	-	-	3.1	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	17	-	-	-	1	5	7	3	1	-	-
PERCENT	100.0	-	-	-	5.9	29.4	41.2	17.6	5.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	21	-	-	-	6	7	4	2	2	-	-
PERCENT	100.0	-	-	-	28.6	33.3	19.0	9.5	9.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	-	-	-	-	-	2	-	-
PERCENT	100.0	-	33.3	-	-	-	-	-	66.7	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
HILL											
LIVE BIRTHS											
NUMBER	274	1	17	33	97	69	43	12	2	-	-
PERCENT	100 0	0.4	6 2	12.0	35.4	25 2	15.7	4 4	0 7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	34	-	2	5	11	4	5	7	-	-	-
PERCENT	100 0	-	5.9	14 7	32 4	11.8	14 7	20 6	-	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	90	-	-	3	25	19	23	16	4	-	-
PERCENT	100 0	-	-	3.3	27 8	21.1	25.6	17 8	4 4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	-	-	4	2	1	1	1	-	-
PERCENT	100.0	-	-	-	44 4	22 2	11.1	11 1	11.1	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	15	-	-	2	3	5	3	1	1	-	-
PERCENT	100.0	-	-	13.3	20.0	33.3	20.0	6.7	6.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100 0	-	-	-	-	100.0	-	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	348	1	15	37	95	90	70	24	16	-	-
PERCENT	100.0	0.3	4.3	10.6	27.3	25.9	20.1	6 9	4 6	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	62	-	9	12	18	9	4	7	3	-	-
PERCENT	100.0	-	14 5	19 4	29 0	14 5	6.5	11.3	4 8	-	-
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	663	2	22	47	174	183	162	61	11	1	-
PERCENT	100.0	0.3	3.3	7.1	26 2	27.6	24 4	9 2	1.7	0 2	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100.0	-	-	-	50 0	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	133	1	17	20	37	17	18	13	8	1	1
PERCENT	100 0	0 8	12 8	15 0	27 8	12 8	13 5	9 8	6 0	0 8	0 8
LIBERTY											
LIVE BIRTHS											
NUMBER	21	-	2	1	5	8	1	4	-	-	-
PERCENT	100.0	-	9.5	4 8	23 8	38.1	4 8	19 0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100 0	-	-	-	100 0	-	-	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	186	-	10	15	58	50	26	17	8	2	-
PERCENT	100.0	-	5.4	8 1	31.2	26.9	14 0	9.1	4 3	1 1	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	1	2	2	2	3	1	4	2	-	-
PERCENT	100.0	5.9	11 8	11.8	11 8	17.6	5.9	23.5	11.8	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
MCCONE											
LIVE BIRTHS											
NUMBER	21	-	1	1	5	5	4	5	-	-	-
PERCENT	100.0	-	4.8	4.8	23.8	23.8	19.0	23.8	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	61	-	3	3	12	19	17	5	2	-	-
PERCENT	100.0	-	4.9	4.9	19.7	31.1	27.9	8.2	3.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	2	2	3	5	-	1	1	-	-
PERCENT	100.0	-	14.3	14.3	21.4	35.7	-	7.1	7.1	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	18	-	-	4	5	4	3	2	-	-	-
PERCENT	100.0	-	-	22.2	27.8	22.2	16.7	11.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	35	-	4	4	8	11	2	6	-	-	
PERCENT	100.0	-	11.4	11.4	22.9	31.4	5.7	17.1	-	-	
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	2	1	2	2	1	2	-	-	-
PERCENT	100.0	-	20.0	10.0	20.0	20.0	10.0	20.0	-	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,108	1	20	62	286	306	281	127	25	-	-
PERCENT	100.0	0.1	1.8	5.6	25.8	27.6	25.4	11.5	2.3	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	1		2	-	-	-	-
PERCENT	100.0	-	-	-	33.3		66.7	-	-	-	-
INDUCED ABORTIONS											
NUMBER	368	1	21	59	140	74	39	23	7	2	2
PERCENT	100.0	0.3	5.7	16.0	38.0	20.1	10.6	6.3	1.9	0.5	0.5
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	45	-	2	3	12	13	8	5	2	-	-
PERCENT	100.0	-	4.4	6.7	26.7	28.9	17.8	11.1	4.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	-	1	1	3	1	-	-	-
PERCENT	100.0	-	-	-	16.7	16.7	50.0	16.7	-	-	-
PARK											
LIVE BIRTHS											
NUMBER	183	-	4	11	52	45	41	22	8	-	-
PERCENT	100.0	-	2.2	6.0	28.4	24.6	22.4	12.0	4.4	-	-
FETAL DEATHS											
NUMBER	2	-	-	1	-	1	-	-	-	-	-
PERCENT	100.0	-	-	50.0	-	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	26	-	2	3	10	1	3	5	2	-	-
PERCENT	100.0	-	7.7	11.5	38.5	3.8	11.5	19.2	7.7	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
PETROLEUM											
LIVE BIRTHS											
NUMBER	3	-	-	-	1	1	1	-	-	-	-
PERCENT	100.0	-	-	-	33.3	33 3	33.3	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	49	-	2	2	12	10	16	4	3	-	-
PERCENT	100.0	-	4 1	4.1	24.5	20.4	32 7	8 2	6.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	2	1	1	-	-	-	-
PERCENT	100 0	-	-	-	50 0	25.0	25.0	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	57	-	8	5	14	12	8	8	2	-	-
PERCENT	100.0	-	14 0	8.8	24.6	21.1	14.0	14.0	3 5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	1	-	1	-	-	-	-	-	-	-
PERCENT	100 0	50 0	-	50.0	-	-	-	-	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	14	-	-	2	3	5	4	-	-	-	-
PERCENT	100 0	-	-	14.3	21 4	35.7	28.6	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	63	-	1	6	21	13	17	5	-	-	-
PERCENT	100 0	-	1.6	9.5	33 3	20.6	27.0	7 9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	1	1	4	-	1	3	-	-	-
PERCENT	100 0	-	10 0	10.0	40 0	-	10 0	30 0	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	8	-	-	-	2	6	-	-	-	-	-
PERCENT	100 0	-	-	-	25 0	75.0	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	403	2	12	26	120	86	96	49	12	-	-
PERCENT	100 0	0.5	3.0	6 5	29 8	21.3	23 8	12 2	3.0	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	1	1	-	-	-	-
PERCENT	100.0	-	-	-	-	50.0	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	60	-	7	8	14	8	11	7	5	-	-
PERCENT	100 0	-	11.7	13 3	23 3	13 3	18.3	11.7	8.3	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
RICHLAND											
LIVE BIRTHS											
NUMBER	87	-	4	8	21	23	22	6	2	-	1
PERCENT	100.0	-	4.6	9.2	24.1	26.4	25.3	6.9	2.3	-	1.1
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	1	1	4	1	4	-	-	-	-
PERCENT	100.0	-	9.1	9.1	36.4	9.1	36.4	-	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	209	-	14	26	73	46	30	17	3	-	-
PERCENT	100.0	-	6.7	12.4	34.9	22.0	14.4	8.1	1.4	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	2	-	1	-	-	-	-
PERCENT	100.0	-	-	-	66.7	-	33.3	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	1	1	4	4	4	1	2	-	-	-
PERCENT	100.0	5.9	5.9	23.5	23.5	23.5	5.9	11.8	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	152	-	5	16	44	38	29	15	5	-	-
PERCENT	100.0	-	3.3	10.5	28.9	25.0	19.1	9.9	3.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	18	-	3	3	3	4	3	-	2	-	-
PERCENT	100.0	-	16.7	16.7	16.7	22.2	16.7	-	11.1	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	114	-	6	14	24	37	17	9	6	-	1
PERCENT	100.0	-	5.3	12.3	21.1	32.5	14.9	7.9	5.3	-	0.9
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	1	1	1	4	-	1	-	-
PERCENT	100.0	-	-	12.5	12.5	12.5	50.0	-	12.5	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	11	-	-	2	2	1	3	1	1	-	1
PERCENT	100.0	-	-	18.2	18.2	9.1	27.3	9.1	9.1	-	9.1
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	-	2	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	357	1	14	27	95	98	88	25	9	-	-
PERCENT	100.0	0.3	3.9	7.6	26.6	27.5	24.6	7.0	2.5	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	95	1	6	9	38	17	13	8	3	-	-
PERCENT	100.0	1.1	6.3	9.5	40.0	17.9	13.7	8.4	3.2	-	-
STILLWATER											
LIVE BIRTHS											
NUMBER	98	-	3	9	24	24	30	6	2	-	-
PERCENT	100.0	-	3.1	9.2	24.5	24.5	30.6	6.1	2.0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	5	-	4	4	2	1	-	-	-
PERCENT	100.0	-	31.3	-	25.0	25.0	12.5	6.3	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
SWEET GRASS											
LIVE BIRTHS											
NUMBER	48	-	1	3	8	21	13	2	-	-	-
PERCENT	100.0	-	2.1	6.3	16.7	43.8	27.1	4.2	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	1	1	1	1	2	-	-	-
PERCENT	100.0	-	-	16.7	16.7	16.7	16.7	33.3	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	62	-	-	2	14	16	18	11	1	-	-
PERCENT	100.0	-	-	3.2	22.6	25.8	29.0	17.7	1.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	-	-	1	-	1	-	1
PERCENT	100.0	-	-	-	-	-	33.3	-	33.3	-	33.3
TOOLE											
LIVE BIRTHS											
NUMBER	61	-	4	6	14	21	13	3	-	-	-
PERCENT	100.0	-	6.6	9.8	23.0	34.4	21.3	4.9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	5	-	-	-	-	3	2	-	-	-	-
PERCENT	100.0	-	-	-	-	60.0	40.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	98	1	3	14	19	25	17	15	4	-	-
PERCENT	100.0	1.0	3.1	14.3	19.4	25.5	17.3	15.3	4.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	1	1	7	3	-	-	1	-	-
PERCENT	100.0	-	7.7	7.7	53.8	23.1	-	-	7.7	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	20	-	-	2	5	9	2	2	-	-	-
PERCENT	100.0	-	-	10.0	25.0	45.0	10.0	10.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	1	-	1	1	1	-	-	-	-
PERCENT	100.0	-	25.0	-	25.0	25.0	25.0	-	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	5	-	-	-	-	1	4	-	-	-	-
PERCENT	100.0	-	-	-	-	20.0	80.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	1	1	-	2	-	-	-
PERCENT	100.0	-	-	-	25.0	25.0	-	50.0	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 27 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2001

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,724	-	46	137	502	488	359	152	34	2	4
PERCENT	100.0	-	2.7	7.9	29.1	28.3	20.8	8.8	2.0	0.1	0.2
FETAL DEATHS											
NUMBER	9	-	-	-	4	2	2	-	-	-	1
PERCENT	100.0	-	-	-	44.4	22.2	22.2	-	-	-	11.1
INDUCED ABORTIONS											
NUMBER	374	1	23	45	135	73	48	31	17	-	1
PERCENT	100.0	0.3	6.1	12.0	36.1	19.5	12.8	8.3	4.5	-	0.3
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	0	0	0	0	0	0	0	0	0	0	0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FETAL DEATHS											
NUMBER	0	0	0	0	0	0	0	0	0	0	0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS											
NUMBER	0	0	0	0	0	0	0	0	0	0	0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	1	-	-	-	-	-	1	-		-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	3	2	5	3	2	2	-	-	-
PERCENT	100.0	-	17.6	11.8	29.4	17.6	11.8	11.8	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE 28

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
2001 SUMMARY

Reporting County*	CAMPYLOBACTER	DIPHTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS B	INFLUENZA A	HEPATITIS A	HEPATITIS B	HEPATITIS NON A NON B	LEGIONELLA	MEASLES	MENING	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TB	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Big Horn	1	-	-	-	-	2	-	-	-	-	-	-	-	-	2	1	-	-
Blaine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Broadwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Carbon	1	-	-	2	-	2	-	-	-	-	-	-	-	-	1	-	-	-
Carter	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	16	1	10	8	-	2	-	-	-	-	-	-	1	-	7	-	1	1/90
Chouteau	1	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Custer	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawson	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deer Lodge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fergus	3	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Flathead	9	-	-	14	-	1	-	-	-	-	-	-	-	-	7	-	1	1/44
Gallatin	12	-	2	23	-	3	-	-	-	-	-	-	-	-	11	-	1	1/31
Garfield	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	2	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	1/5
Jefferson	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	5	-	-	3	-	2	-	-	-	-	-	-	-	-	5	-	-	-
Lewis & Clark	2	-	1	4	-	-	-	-	-	-	-	-	4	-	8	-	-	1/30
Liberty	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lincoln	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
McCone	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Meagher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missoula	13	-	3	14	1	-	-	-	-	-	-	1	18	1	8	-	4	1/3
Musselshell	1	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Park	4	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	1/110
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Pondera	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Prairie	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	8	-	1	2	-	-	-	1	1	-	-	-	16	-	3	-	-	1/20
Richland	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Roosevelt	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Rosebud	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sanders	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Silver Bow	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1/6
Stillwater	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sweet Grass	-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-	-
Teton	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Wheatland	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Yellowstone	11	-	6	13	-	-	1	-	-	-	1	3	-	15	6	3	3/504	
2001 Total	110	1	32	95	1	16	3	1	0	0	4	55	1	81	9	20	12/843	
2000 Total	107	0	48	91	1	7	8	5	2	0	6	35	4	97	8	21	6/180	
1999 Total	106	0	41	83	3	18	21	5	0	0	5	2	2	86	10	14	6/136	

* "Reporting county" reflects county of residence whenever possible
The above disease totals reflect the cumulative number of reports received by DPHHS January through December 31, 2001.
Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test
The reporting county is the county of residence/occurrence of the case Data are subject to corrections

TABLE 29

SEXUALLY TRANSMITTED DISEASES BY COUNTY
COMMUNICABLE DISEASE PROGRAM
2001 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	17	-	
Big Horn	3	138	13	
Blaine	-	39	5	
Broadwater	-	1	-	
Carbon	-	5	-	
Carter	-	-	-	
Cascade	13	251	23	
Choteau	-	-	-	
Custer	1	20	1	
Daniels	-	1	-	
Dawson	1	9	-	
Deer Lodge	-	8	1	
Fallon	-	4	-	
Fergus	-	3	-	
Flathead	9	93	-	
Gallatin	1	121	7	
Garfield	-	1	-	
Glacier	-	185	1	
Golden Valley	-	1	-	
Granite	-	-	-	
Hill	-	61	7	
Jefferson	-	6	-	
Judith Basin	-	-	-	
Lake	2	104	2	
Lewis & Clark	4	61	1	
Liberty	1	-	-	
Lincoln	2	13	-	
McCone	-	-	-	
Madison	-	1	-	
Meagher	-	-	-	
Mineral	1	6	-	
Missoula	19	161	15	
Musselshell	2	1	-	
Park	-	15	-	
Petroleum	-	-	-	
Phillips	2	3	-	
Pondera	-	6	-	
Powder River	-	-	-	
Powell	4	5	-	
Prairie	-	-	-	
Ravalli	-	38	2	
Richland	-	10	-	
Roosevelt	1	89	8	
Rosebud	-	68	5	
Sanders	2	16	-	
Sheridan	-	-	-	
Silver Bow	-	51	1	
Stillwater	1	1	1	
Sweet Grass	-	1	-	
Teton	-	1	1	
Toole	1	3	1	
Treasure	-	1	-	
Valley	-	11	1	
Wheatland	-	2	-	
Wibaux	-	1	-	
Yellowstone	44	264	8	
Other/Out of State	-	-	-	
2001 Total	114 (HIV & AIDS)	1,899	104	0
2000 Total	20 (AIDS Only)	1,472	60	0
1999 Total	17 (AIDS Only)	1,591	53	3

* "Reporting county" reflects county of residence whenever possible.
Reports are counted as they are received by DPHHS.
The above data include all reports received from January through December 31, 2001.

HIV reporting was formally added in 2001 and the data above reflect all HIV/AIDS cases reported at that time.
The data are by date of report and do not reflect the date of infection or diagnosis. As a result, the numbers of HIV reports are artificially high as existing cases were reported. Increases in chlamydia in 2001 may also reflect more timely reporting and and data entry and not necessarily an increase in the number of cases.

TABLE 30

OTHER DISEASES OF INTEREST: 2001 SUMMARY
COMMUNICABLE DISEASE PROGRAM

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County*	ASEP MENING	BAC MENIN OTR	COLORADO TICK	CRYPTOSPOR	CYTOMEGALO	HINFLU OTR	HANTAVIRUS	HFLU OTHER	INFANT BOT	KAWASAKI SYN	MALARIA	MUMPS	TULAREMIA	TYPHOID FVR	YERSINIOSIS
Beaverhead	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Big Horn	27	-	4	-	-	-	-	-	-	-	-	-	1	-	-
Carbon	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Cascade	1	2	-	-	-	-	1	-	-	-	1	-	-	-	-
Flathead	-	2	-	2	-	-	-	-	1	-	-	-	-	-	2
Gallatin	-	3	1	5	-	-	1	-	-	-	-	1	-	-	-
Glacier	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Hill	1	-	-	13	-	-	-	-	-	-	-	-	-	-	-
Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewis & Clark	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Madison	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Missoula	-	-	1	2	-	1	-	1	-	-	-	-	-	1	-
Park	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-
Pondera	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Ravalli	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-
Sanders	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Sweet Grass	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	18	-	-	7	1	-	-	-	-	-	-	-	-	-	-
2001 Total	49	7	6	37	1	1	2	1	1	1	3	1	2	2	2
2000 Total	14	3	0	10	0	0	4	0	2	0	1	1	0	2	0
1999 Total	1	2	2	13	1	1	2	2	1	0	4	0	1	0	2

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT: 36 (4.7%) of the 774 specimens submitted during 2001 tested positive for the virus.

Big Horn:	One Skunk	Park:	One Bat
Carbon:	One Bat	Petroleum:	One Skunk
Chouteau	One Bat, One Dog	Phillips:	One Skunk
Custer:	One Bat, Three Skunks	Pondera:	Five Skunks
Dawson:	One Cow	Powder River:	One Cow, One Skunk
Flathead:	One Bat	Powell:	Two Bats
Gallatin:	One Bat, One Skunk	Richland:	One Skunk
McCone:	One Skunk	Rosebud:	One Cow
Mineral:	One Bat	Stillwater:	One Horse
Missoula:	Three Bats	Teton.	Two Skunks
Musselshell:	One Bat	Yellowstone:	One Bat

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of reports is summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scromboid) should also be considered an outbreak and reported.

Cascade Co: Outbreak of gastroenteritis at local nursing facility resulting in 90 illnesses. No pathogen identified from samples and control measures were implemented by facility.

Flathead Co: Outbreak of gastroenteritis at local nursing facility with approximately 44 illnesses among residents and staff. No pathogen identified, control measures initiated by facility.

Gallatin Co: Group of students with approximately 31 (initially 10 cases reported, revised after investigation) ill after consumption of common meal at a restaurant. No causative agent identified.

Hill Co: Five children ill after consuption of common lunch at a daycare. Testing of food and children yielded no causative agent.

Lewis & Clark: Estimated 25 residents and 5 staff of nursing facility ill with gastroenteritis No causative agent identified.

Missoula Co: Family illness cluster with 3 of 4 ill. Mild gastroenteritis, no causative agent or source identified

Park Co: 110 individuals in different groups estimated to be ill after consumption of food prepared at food establishment. No causative agent identified, recommendations given regarding exclusion of ill workers, etc.

Ravalli Co: Gastrointestinal illness associated with group of 20 ill after swimming at local hot springs.

Silver Bow: Six members of a group ill after consumtion of common meal, review of meal and establishment unrevealing.

Yellowstone Co: April- Two seperate groups ill after consuming meals at a convention center, 47 ill in all. Testing failed to identify a causative agent and inspection was performed.
May- Seven individuals in a group of 50-60 ill with onset prior to conference they were attending. No common links or agents established during investigation.
October- Approximately 450 individuals ill after among individuals attending several conventions over the course of a 7 day period. Investigation failed to identify a causative agent and inspection found no evidence of improper food handling. Similar illnesses among staff who did not report for work noted.

For more information on disease reporting, including how and what to report, contact your local health dept or Jim Murphy at (406) 444-0274 or by E-mail at jmurphy@state.mt.us This information is also available at www dphhs.state mt.us/hpad/

TABLE 31

REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 2001 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2002
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	2,053	2,039	4,092
Buccal Cavity and Pharynx	76	33	109
Lip	30	11	41
Tongue	11	5	16
Major Salivary gland	4	3	7
Floor of Mouth	2	2	4
Gum & Other Mouth	8	4	12
Nasopharynx	1	1	2
Tonsil	14	4	18
Oropharynx	2	-	2
Hypopharynx	3	2	5
Pharynx	1	1	2
Digestive System	350	302	652
Esophagus	24	11	35
Stomach	35	23	58
Small Intestine	8	5	13
Colon	139	149	288
Rectum & Rectosigmoid	89	50	139
Anus & Anocanal	2	3	5
Liver	12	4	16
Gallbladder	3	7	10
Other Biliary	4	4	8
Pancreas	29	40	69
Retroperitoneum	2	1	3
Peritoneum	-	3	3
Other Digestive Organs	3	2	5
Respiratory System	306	254	560
Nasal Cavity & Sinuses	4	1	5
Larynx	28	5	33
Lung & Bronchus	266	245	511
Trachea & Pleura	8	3	11
Bones & Joints	-	-	0
Soft Tissue	10	5	15
Melanoma	100	83	183
Breast	6	653	659
Eye	7	2	9

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
Female Genital System	---	377	377
Cervix	---	34	34
Cervix In-situ	---	153	153
Uterus	---	102	102
Ovary	---	51	51
Vagina	---	6	6
Vulva	---	28	28
Other Female Genital Organs	---	3	3
Male Genital System	729	---	729
Prostate	703	---	703
Testis	20	---	20
Penis	3	---	3
Other Male Genital Organs	3	---	3
Urinary System	184	73	257
Bladder	121	43	164
Kidney & Renal Pelvis	54	24	78
Ureter	7	5	12
Other Urinary Organs	2	1	3
Brain & Other Nervous System	26	24	50
Brain	24	24	48
Other Nervous System	2	-	2
Endocrine System	19	69	88
Thyroid Gland	16	65	81
Other Endocrine	3	4	7
Lymphomas*	95	65	160
Hodgkin's Disease	8	7	15
Non-Hodgkin's Lymphomas	87	58	145
Multiple Myeloma	25	12	37
Leukemias	61	36	97
Acute Lymphocytic	-	-	0
Chronic Lymphocytic	19	15	34
Acute Myeloid	15	8	23
Chronic Myeloid	5	1	6
Other Leukemia	22	12	34
Unknown and Ill-defined Sites	59	51	110

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE 32

MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 2001 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2002
MONTANA CENTRAL TUMOR REGISTRY

AGE AT DIAGNOSIS	PRIMARY CANCER SITES																					
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	1	---	-	-	-	1	4	1	5
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	2	-	---	-	-	-	3	1	5	1
10-14	-	---	-	-	-	-	-	-	-	-	-	-	---	-	2	-	---	-	-	-	2	0	4	-
15-19	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	-	---	-	-	-	9	13	10	13
20-24	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	1	---	1	-	-	7	48	7	50
25-29	-	---	-	5	-	-	-	1	-	-	-	-	---	-	-	1	---	-	-	-	13	38	13	45
30-34	-	---	-	4	-	-	-	2	-	-	-	-	---	1	2	4	---	-	-	-	15	42	17	53
35-39	-	---	-	17	1	-	1	1	2	-	-	-	---	1	3	2	---	-	-	-	15	46	22	67
40-44	6	---	-	54	1	4	3	-	3	1	2	1	---	5	1	4	---	3	-	-	16	54	32	126
45-49	11	---	-	62	7	5	7	4	5	1	3	-	---	4	9	2	---	7	2	1	35	54	79	140
50-54	48	---	1	90	17	8	3	6	10	9	1	1	---	10	6	8	---	9	3	1	55	43	144	185
55-59	65	---	-	82	24	23	15	7	13	3	17	4	---	11	7	4	---	1	3	2	60	26	204	163
60-64	107	---	-	71	26	31	18	10	9	6	16	6	---	16	13	8	---	7	7	3	57	31	253	189
65-69	127	---	1	71	42	51	16	15	8	7	17	6	---	10	12	4	---	3	3	3	61	48	287	218
70-74	153	---	1	52	45	39	24	20	11	6	19	9	---	18	13	2	---	6	4	9	94	45	364	206
75-79	99	---	3	52	60	42	28	23	12	5	16	4	---	11	14	9	---	6	4	8	63	56	299	216
80-84	53	---	-	56	29	27	17	39	13	8	16	7	---	4	7	6	---	5	1	7	63	50	199	209
85+	34	---	-	37	14	15	10	22	3	4	14	5	---	11	4	10	---	3	2	6	32	40	113	153
TOTAL	703	---	6	653	266	245	142	150	89	50	121	43	---	102	96	66	---	51	29	40	601	639	2,053	2,039

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e g , lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE 33

MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 2001 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2002
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																					
COUNTY OF	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
RESIDENCE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	3	---	-	-	-	3	-	-	-	-	-	-	---	-	1	-	---	-	-	1	4	4	8	8
Big Horn	7	---	-	10	5	4	2	1	2	-	3	-	---	-	-	-	---	1	-	1	3	5	22	22
Blaine	9	---	-	8	2	1	-	1	1	1	1	-	---	1	-	-	---	-	-	-	8	2	21	14
Broadwater	2	---	-	5	3	3	-	-	1	-	1	1	---	3	1	-	---	1	1	-	1	1	10	14
Carbon	15	---	-	3	8	3	-	5	-	1	3	1	---	1	-	3	---	3	-	-	11	9	37	29
Carter	2	---	-	-	-	-	-	-	-	-	-	1	---	-	-	-	---	-	-	-	1	1	3	2
Cascade	93	---	-	67	26	26	24	12	17	2	12	2	---	18	7	9	---	5	1	3	54	86	234	230
Chouteau	6	---	-	3	2	2	1	7	3	-	1	-	---	1	-	3	---	1	-	-	4	5	17	22
Custer	11	---	-	6	4	4	2	3	1	-	4	2	---	-	-	2	---	2	-	1	11	7	33	27
Daniels	-	---	-	3	-	-	1	1	1	1	-	-	---	-	-	-	---	1	-	-	0	0	2	6
Dawson	3	---	1	6	1	2	-	2	1	2	3	-	---	2	-	-	---	2	-	-	8	6	17	22
Deer Lodge	8	---	-	6	6	2	2	1	1	-	2	-	---	2	1	2	---	1	-	2	6	5	26	21
Fallon	3	---	-	3	2	2	-	3	-	1	1	-	---	-	1	-	---	-	-	-	3	2	10	11
Fergus	19	---	1	18	4	4	1	5	2	4	3	3	---	3	3	1	---	-	1	1	18	13	52	52
Flathead	33	---	-	34	12	13	8	10	-	3	1	-	---	3	7	5	---	3	-	3	26	24	87	98
Gallatin	45	---	-	27	7	6	2	2	-	-	1	1	---	5	3	-	---	1	1	-	23	50	82	92
Garfield	1	---	-	2	-	-	1	-	-	-	-	-	---	-	-	-	---	-	1	-	1	1	4	3
Glacier	4	---	-	12	3	6	-	3	1	2	-	-	---	1	2	1	---	-	-	1	7	5	17	31
Golden Valley	-	---	-	1	-	-	1	1	-	-	2	-	---	1	-	-	---	-	-	-	3	0	6	3
Granite	1	---	-	1	-	2	-	-	-	-	-	-	---	-	-	-	---	-	-	-	1	0	2	3
Hill	12	---	-	5	8	8	6	7	-	1	1	1	---	2	2	2	---	1	2	1	12	13	43	41
Jefferson	6	---	-	9	2	1	3	1	3	1	1	-	---	2	1	-	---	1	1	1	9	3	26	19
Judith Basin	5	---	-	1	1	-	-	-	1	-	-	-	---	-	-	1	---	-	-	-	2	2	9	4
Lake	12	---	-	19	9	2	4	4	3	1	3	-	---	2	2	3	---	-	2	-	15	14	50	45
Lewis & Clark	41	---	-	60	18	24	11	12	2	4	6	5	---	12	4	6	---	7	1	3	32	38	115	171
Liberty	4	---	-	1	-	2	-	-	-	-	1	-	---	-	-	-	---	-	-	1	2	2	7	6
Lincoln	11	---	-	18	5	6	4	4	4	2	4	1	---	1	2	-	---	1	-	1	9	12	39	46
McCone	1	---	-	2	-	-	-	2	-	1	-	-	---	-	-	-	---	-	-	-	0	0	1	5
Madison	2	---	-	4	3	1	-	1	-	-	-	-	---	-	-	-	---	-	-	-	2	2	7	8
Meagher	2	---	-	-	1	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	4	0	7	-
Mineral	3	---	-	3	2	3	1	-	-	1	-	-	---	1	-	-	---	-	-	-	1	2	7	10
Missoula	46	---	-	68	20	16	7	6	6	2	7	4	---	4	8	8	---	4	6	2	46	59	146	173
Musselshell	4	---	-	7	3	2	-	3	2	-	2	-	---	2	1	-	---	-	-	-	8	6	20	20
Park	9	---	-	14	3	5	3	1	3	-	2	-	---	3	5	-	---	3	-	-	12	14	37	40
Petroleum	1	---	-	1	-	-	-	-	1	-	-	-	---	1	-	-	---	-	-	-	0	0	2	2
Phillips	8	---	-	2	-	1	1	2	1	-	1	-	---	-	2	1	---	-	-	-	6	2	19	8
Pondera	7	---	-	4	4	1	-	-	-	1	-	-	---	1	-	1	---	-	1	2	5	11	17	21
Powder River	3	---	-	1	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	2	1	5	2
Powell	3	---	-	3	3	6	5	2	-	-	1	1	---	1	1	-	---	-	-	1	8	2	21	16
Prairie	3	---	-	1	-	-	-	1	-	-	1	-	---	-	-	-	---	-	-	-	3	1	7	3
Ravalli	32	---	-	16	17	7	5	4	3	-	9	2	---	2	3	4	---	-	1	1	28	23	98	59
Richland	1	---	-	10	2	4	2	1	1	1	1	1	---	-	3	1	---	-	1	2	3	0	14	20
Roosevelt	4	---	-	4	7	1	-	-	2	1	1	-	---	-	1	-	---	-	-	-	11	1	26	7
Rosebud	8	---	-	6	2	-	1	2	1	-	1	1	---	1	-	1	---	-	-	1	5	7	18	19
Sanders	8	---	1	11	1	2	2	2	2	3	1	2	---	-	2	-	---	-	1	-	8	3	26	23
Sheridan	-	---	-	3	-	2	2	-	1	-	2	-	---	1	1	-	---	-	-	-	8	2	14	8
Silver Bow	28	---	-	19	10	8	3	4	1	2	7	1	---	3	2	1	---	2	1	3	17	12	69	55
Stillwater	9	---	-	8	2	6	1	2	-	-	1	1	---	3	1	-	---	1	-	-	8	20	22	41
Sweet Grass	5	---	-	7	2	1	-	-	2	1	-	-	---	1	-	-	---	1	-	-	2	1	11	12
Teton	9	---	-	6	1	1	5	-	1	-	1	1	---	2	1	-	---	-	-	-	4	12	22	22
Toole	3	---	-	4	2	1	1	2	1	-	1	-	---	1	-	2	---	-	-	-	3	2	11	12
Treasure	2	---	-	-	-	1	-	-	-	-	-	-	---	-	-	-	---	-	-	-	0	2	2	3
Valley	16	---	-	5	2	4	2	-	-	1	1	-	---	1	2	1	---	1	-	1	11	7	34	21
Wheatland	5	---	-	2	1	-	-	-	2	-	-	-	---	-	-	-	---	1	-	-	2	2	10	5
Wibaux	4	---	-	-	-	1	-	-	-	-	-	-	---	-	1	-	---	-	-	-	1	1	6	2
Yellowstone	115	---	3	112	50	45	28	30	14	10	26	10	---	13	25	8	---	7	7	7	118	131	386	373
Unknown	6	---	-	2	-	-	-	-	1	-	1	1	---	1	-	-	---	-	-	-	1	3	9	7
TOTAL	703	---	6	653	266	245	142	150	89	50	121	43	---	102	96	66	---	51	29	40	601	639	2,053	2,039

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g. lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

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